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HANDBOOK

OF THE

GERMAN ARMY

(HOME AND COLONIAL).

Fourth Edition.

Revised by the General Staff, Was Office.

1912.

(Amended to August, 1914.)



PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S

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PREFACE

This handbook is intended for the use of officers who desire to obtain a comprehensive view of the German Army during peace-time, or who may wish to follow its operations during manacurres or other training.

The war establishments of the German Army are not published officially, the figures in this handbook are, therefore, to a great extent taken from those given in such unofficial sources as V. Rabenau's "Deutsche Lauft-und Seemacht," which may be assumed to be approximately correct.

Further detailed material concerning the historical development of the Army, territorial and Landwebr organization, and military educational establishments is to be found in "Military Resources of the German Empire, 1911."

The broad principles of the tactics of the three arms are dealt with in Chapter XIII.: for fuller details on this subject, as well as for drill formations and the system of training, reference should be made to the manuals subtitled "Education and Training of the German Infantry (Cavalry, &c.)" published by the General Staff.

The Fourth Edition of this handhook has been completed after the passing of the Law of the 4th June, 1912, supplementing the Law of the 57th March, 1911, respecting the peace strength of the German Army up to 1915. The main effect of these two laws was to pesfect rather than to increase the number of the larger units available on mobilization for the first line.

Two new Army-Corps were created, making 25 in all in peace, but no fresh brigades of infantry were formed, existing divisions and infantry brigades being utilized for the formation of the two Corps. Artillery, pioneer and train units, however, were to a large extent wanting, and the new laws made provision for them. The bulk of the

new units were formed on the 1st October, 1912, and have therefore been included in the strengths dealt with in this edition. The only important increase, included in these laws, which did not take effect on the 1st October, 1912, is the provision of a second machine-gun company for each brigade of infantry. This increase may be expected to be made shortly, when every regiment of infantry will be provided with this addition to its fighting strength. Similarly, the conversion of horse artillery Abteilungen of two lateries, each of 6 guns, into Abteilungen of three batteries, each of 4 guns, though not yet carried out, will probably soon be dealt with.

As a result of the formation of the two new Army-Corps and the corresponding Army-Corps districts, the map in the "Military Resources of the German Empire, 1911," requires correction.

GENERAL STAFF. WAR OFFICE, October, 1912

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THE GERMAN ARMY.

CHAPTER L.

CONDITIONS OF SERVICE AND RECRUITING.

CONTRIDUE OF SERVICE

Liability to service .- Every German, unless he is a member or one of the ruling or certain princely families, is liable to military service, and he is not allowed to peform this service by substitute. The liability (Webrodicht) lasts from the close of the 17th to the and of the 45th year of age. and this period is divided into (1) active military service (Dienstufficht) and (2) Landsturm service*

(1.) Active military service. - Active military service is sub-divided into (a) service in the Standing Army and its Reserve, and (b) service in the first and second Bans of the Lundwehr.

(a.) Service in the Standing Army and its Reserve .-Service in the standing (or Active) Army and its Reserve begins at the end of the 20th year of age, and lasts for 7 years. counting from the actual date on which a man joins his unit : this is usually in the October following his 20th birthday, but all recruits joining between the 2nd October and 31st March are counted as having joined on the 1st October. For the first 3 years in the case of cavalry and horse artillery, and for the first 2t years in other arms, the men are kept with the colours of the Standing Army; for the remaining 4 and 5 years respectively they belong to its

^{*} Oversea conscription is dealt with in Chapter XVI., page 258. † For executions, see page 19.

Reserve*. During the latter period they are liable to two trainings, neither of which may exceed a period of 8 weeks. The Beserve of the Standing Army is used to bring it up to which the stronger of the Beserve are divided into classes according to the year in which they were passed into it, and are passed into the Loradwood at the Spring Control Muster next following the date on which they complete their 7 years' service.

(b.) Service in the 1st and 2nd Bans of the "Landwhr".—Service in the 1st Ban of the Landwhre last for 5 years, counting from the date of transfer to it from Reserve, except for men of the evaluation to it from the have comparable in the men of the infantry who have comparable in the men of the infantry who have comparable in years with the colours; these only serve 3 years in this Ban. Men of the 1st Ban are transferred to the 2nd Ban at the Spring Control Muster following the date on which their service in the 1st Ban expires, except those men whose service in the 1st Ban expires between the 1st April and the 30th September, and who are so transferred at the next following automn muster.

Service in the 2nd Ean of the Landsode continues from the date of transfer from the 1st Ban till the 31st March of that year in which the man completer his 39th year of age or, in the case of most who have entire the Army before the completion of their 20th year, till the 7tm March of that year in which they complete 19 years in the Army From the 2nd Ban of the Landscare men pass into the Sall Ban of the Landscare men pass into the

The Landwole's is used in war to support the Standing Army, and its infantry (else, as required, its cavalry) in formed into independent bodies; but the youngest classes of the Landwole's infantry, and all Landwole's men of the other arms, may, if necessary, be deed to fill up the ranks of the united the Standing Army and the other arms, may, if necessary be called up twice during their o's years, for trainings of from 8 to 14 thays. Those of the Standing Army and the Standing Army arms of the Standing Army

(2) "Landsturm" se service.—The duty of the Landsturm is to take part in the defence of the country, and it can be used in cases of extraordinary necessity to strengthen the Arny and Navy. It consists of men up to 45 years of age who have passed through the Arny, Reserve, and Landsteel, or the Navy, and also of all other nade liable to service who have not belonged either to the Arny (Rucluding Erestic Reserve) or the Navy, from the completion of their 17th to that of their 45th year. It is divided into two Bans: to the Blat Ban belong all Landsdarm men (untrained) up to the Slat March in the calendar year in which they complete their 35th year of age, and to the 2nd Ban all others (trained and untrained). Its men are liable to neither trainings nor centrel musters in passe.

The above regulations hold good in peace only; in war all transfers to the Reserve, Landechr, and Landstown are suspended. Foreigners who become naturalized German subjects are also liable to military service along with men of their own ago.

With a fixed effective for the Army it is impossible to pass all the men who become hable to service through a 3 or 3 years' training with the colours, and this (and the necessity of providing good non-commissioned officers and a robable body of Reserve officera, of giving advantges in the way of shortened presence with the colours to men of education, and of keeping the effective paid strength strictly within that allowed by the Budget), has partly caused the following modifications of the above general rules to be adouted.

The "Frastz" Reserva.—This is a special body of man who do not pass through the ranks of the Standing Army, but who, according to the Regulations, are intended on mobilization to fill up the ranks of its units and to form it depots. The definition of the purpose of the Evastz Reserve which still stands in the Regulations is that sufficient mea should be posted to it annually so that seven contingents of the Reserve may cover the requirements of the standing army and its depots on mobilization; but in view of the altered conditions regarding twaining (see page 18) this seems hardly applicable now. To this Reserve were first posted a

^{* 31} the end of their service in the Standing Army non-of good character are allowed to re-engage (Aspitolores) from year to year. They are then styled Kapitalnates.

^{*} General levy or levée en masse,

proportion of the supernumeraries of the yearly contingent found fit for service, but not taken on account of the high numbers drawn by them, and the number is made up by—

(1.) Men fit for active service but excused for family reasons.

(2.) Men with minor bodily defects (conditionally fit), and therefore excused active military service, but whose bodily defects are of such a nature that they may be expected to disappear in the course of the next few years.

PARLE SHOWING LIABILITIES FOR SHILTING OF THE VALIDUE CAPPENDRIES.

an Year of ago,	5 Year of age, Years of acretice.	45 Xear or age. Xears of service.
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5 Year of age. Years of savice. * 3lat March of the man's 38th year.

-Men of the Reserve, Leadurks and Erwir Reserve Mix of the Event Reserve to one to the Bend interesting. They can be called up once a-year for uniter at the Spring Control Muster, and are liable to three trainings, the first of 10, the second of 6, and the third number of men to be trained in each years. It is also being the second of 6, and the third number of men to be trained in each years and the second of 6, and the third number of men to be trained in each years are also second of 10, the second of 10, and the training the second of 10, and 10,

No man who have passed their 32nd year can be called out for training unless they have been transferred to the Errate Reserve later than they should have been by their own fault, or have been put back to a younger class by their own fault, or at their own request have been excus-

attendance at a training

Service in tim Evact Reserve lasts 12 years, and counts from the last October of the year in which halabily to active military service began. On the conclusion of this perior the men who have been trained pass the find Ban of the Londoveir, whilst those not so trained pass to the last ban of the Londoveir, whilst those not so trained pass to the last ban of the Londoveir, both classes joining these Bane at the Spring Control Muster following the termination of their service in the Evac Theories.

Evait Reserve near called up for service on mobilization are discharged on demobilization. If not previously trained in peace they revert to the Evant Reserve. In previously trained, they are placed in the Reserve or Landweit, according to the rage, just as if they had served with the colours in peace

Number of the "Reurlaubtenstand" (Reserve) called out for training annually. The number of men if the Reserve and Landerdrea.led out for training annually has been steadily increasing year by year. A comparative lable for the last 3 years is given opposite. It will be noticed that the bulk of the Basil'oubtenstand are called up during the periods of 14 and 13 days, with occur in September, at the time of the annual autom manuscurree. It is during this merced that certain Reserve divisions and units are formed.

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Two-year, three-year and four year volunteers. More who have completed their 17th year, and who desire to a like the Array their profession, or who have reasons for desiring to complete their service at an early age, are permitted to obtained their service at an early age, are permitted to themselve so the city, mession to the service and reserve from any permission to the transition of a removed from any permission to the transition of a removed from the permitted their captures of the service and reserve from their permission to the transition of a removed their services and reserve from the permission to their captures of a removal service of a removal to their captures and the services of the substress regiments are composed almost exclusively of them

Special periods of service.—(a.) Schoolmasters and candidates for these posts serve I year only in an a factor.

regiment, and are then sont to the Beserve (h.) The greater proportion of the usen of the tran, abbenksages, are sent to the Reserve afterly year's active service (*) Students of the Assow Wildelman Abstract, for middle viewly very passed, a that unatit.)

Fig. gipls of the uon-commissioned officers

1 have to serve for 4 years with the colours, and ti
1 a commissioned officers' preparatory schools and of
the Military Orphanage 2 years in addition for each year
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Formation obtaining 1

Recruiting statistics I lowing the number of men

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2. Non commissioned Officers

Sources of Supply Transcription two sources of Supply Transcription two sources

A A - w samuel officers' trainit so 1-

it is a schools only the infantry and artiller, we supplied with non-echanissiones, officers. The training schools are divided into two classes the non-corn second officers' schools and the non-corn second officers' schools and the non-corn second officers' schools.

In the former the education is of a general character, and great attaction is paid to physical development. The limits of age for admission are 14 to 17, and the course lasts

There are nine preparatory schools at all (melading one in Savons, and one in Bavaria), and the total number of purplis is about 2,300. On leaving the problem of the problem is about 2,300. On leaving the problem is the problem of the problem is the problem of the problem is between 17 and 26, the course is a purely initially been and all 3 years for those who have been to a proparatory school, and 3 years for those who point direct. All pupils must contract to serve 4 years in the Standing Army About 25 per cent, of the non-commissioned officers come from the non-commissioned officers chools. On caving the school is the pupils are posted to regiments, the best as understanding and the problem of the remainder as lance corporals, bombardiars, or privates, being generally promoted to be under-officers within a very

The mon coming from the schools leg f good education are eventually employed as clerks, storescepers, quartarmasters, or assistant paymosters, and, if well conducted, are generally songer after as someonally songer as

It is ho ever somet mes consilered that the age at which many f them enter the service as kinder off cera, i.e., 19 years, as too young, and that they are ant to fail as regards power of manufacturing of discipline.

The ranks are the main source of supply for non-commissioned officers, the percentage obtained in thin was

Kno-commissive ed officers are taken from the volunta-oly ongoed neto, at, from the men of the annua, oningent. Lance-corporals and bombardiers are chosen from among men of good character who have completed their neurity comme of matrix thou and have sorved at least

Appointments as under officers are made from lance-corporals and privates who have, except in very 1... ...

re-regard.

Cardadates for the rank of under-officer are proposed by
their company, squadron, or battery commander, and
appointed by the regimental containation. No special period
of service before promotion to the rank of under fficer is
and down, but it, a anth, a very 1 set; a 2 s. 2.

Each spring, commanders of companies, squadrons, and batteries select from among their re-ruits the mon wan

introd to re-angle so and the second to 1 1 1 1 1 18. tostem trans I ta il ttalian a seb . . . 1 . es a s 1 1 1 1 1 1 1 There are I destroy seems meant (4 12 . 1 . 1 . 1 . 1 . 1 - conf ir to subboso 1 a sign to til " v v vointary one. . . g a f r pg ag te

Non-commission doffice soi th R. . . wa and ' Landwehr. ' For the intentry and a ra. Officers Commandig Army Grast about to be sent to t. ' to be specially s done by the Inspectored ; s fixed by the necessions of mula zanoi 1 ...

We as a ter indeposition of the that is a content to be . Paragrant mate the Brigid Con agrider, or Inspector to ! e varantes in the corps - 3 - 10, 18. 1 tions, these promotion Vacancies exist to tell

mobilization, but in the first teachers (First-Foldischel) may be to 1 class of the Research

7 1 1 1 1 1 8 p' 1 'c' ted inder officers in the P 9 P 3 P

Lauce-corporate and ander a t to the termination of ther rank mut and i sur f ategories does not softi f ting, promotions are made Grades of non-commissioned officers. in Ampandix III

3 Officials

Categories. The officials (Beamte) form f als of the mil tary ... 31 1

Vas files about the ella files s grent Arres d x 111

4. Officers

Recruitment. There r. et filet is of offi-rate ne le cti y 4 t rei c to o Erseul f yours or all the rate and section to during a second The water the party tof ador for te Carlet C Prin

(A) "Fahnenjunker." Young men junning the ranks as c. I lidates for commissions must be Garman sul jects and have completed their 17th year, they must be physically fit, unmarried, and free from debt, and must be certified by the office , various of reg and sa uses the battal to con lar lary a the front of parents a con to conpost render to the server of the form of to we s I be at the per a tracete for the Constant de de la tetra de de la templet d . P . f re on a, r his they i ist possess. examinate to be no example to the Suffred Cod mittee of M.litary Examinations in Berlin. (This examina tion is framed with the idea that no special preparation should be require by . . . to presides, to has witness an to the proper standard at seh

The Fuhnenmaker performs at first the duties and receives the pay of a private soldier, but he takes his meals at th. ficers I ess. First the way flashavious in a as a rule, live in barracks, but after that he is allowed to ive in town. After 3 months service he is usually promoted to the rank of corporal, and thereafter to the rank of Unde

After 6 months' service (exclusive of periods of absence on leave or on account of sickness over 10 days) he may obtain his will at die out ste Tas & details alghed b to other a this or ; wit companing uit,

region at the start of the tentre or to be on a mother, so is done not had the the modern range over to the well to a confill try, and state states a press heart of the of a proste as la lico Missica so that

As soon as the get a galant atternet is really to be sent to a War School Av. a # 1 . . It ris to do 41 he a lel a ter as at as a court by as of a tdestruper to all the extense so a their to he was, by who womand, by to to PULL FOLL 1 . B TOR I'V

A a 1 d to accept the office dec sale office a sold 1 ter - 3 1 v ...

VI I'I , 84 as a non commissioned officer, next below ... , whol and wears an officer's award-knot on his stoe-arth

(E) Cadets.—The procedure in connection with the appointment of cadets from the Cadet Corpst s as follows the same as soon as they have passed through the upper se of I lass of the In I not a nately, at Gross Lichter

fe t, may present that elve for the ensigns examination (F his the, of the P. Of P & W. OFF But I WE I She day

The last are retained for a very or more goth as the "Selects" class, whence they will issue direct s 2nd heutenants.

b) The names of others are submitted to the Emperor for append to the restrictional count haven a ree,

) If the parents desire it and the young men are ake.) toprost of the theory of the bar friend the Gross Lichterfe.de and pass through the lower and opper first classes; they can then be appointed BLSM ns after they have been through either or lote of trase. It takes a year to pass thro _ 1 , of the four lasses, i.e., lower and upper s d ad lower and upper first

[.] Formerly tormed Arentageur,

^{*} The course for all Se a se a se a was S too.

to a form of the examination but are not vert for a form tolses. Cadets who fail in the end for a form tolses. The end for a form of the end for a form of

I suppose the property of the correct of the correc

, b., I so ske as who have passed their kulmrichspring a, see dealt with as follows -

re dealt with as introduced to a cribed on page 28.

The and those who have a cribed at each generate of them selection as non-community and the cribed to the cribed at the cribed to t

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The officers' examinated, hieraconed above is a puresymmilitary one, on this subjects taught at the War Scholler of the second o

End 1 with the transfer of the

Exemptions from attendance at War Schools.

The washty or cutta because with the state of the state o

Lamingh Country and your elect in some for. It show save an acritication of having compacted a or true of at a.v. they must

Instruction after being commissioned. The above tests are all that are required for anfantry and cavalry th ars, but foot artillery, and engineer and proneer officers, after 3 years service with their requients or battalions as apernumerary 2nd lieutenants, on the Military Technical \cademy* in Charlottenburg, where they andergo courses of from 1 to 5 years at the end of which they are again rought on to the establishment of their units. A certain b. .aber of officers are selected for advanced courses of from 1 t 'vears more, which qualify them for special employments. Officers of field artitlery go through a 4-months instructi nai course at the Field Articlery School of Gannery at I tterbog. Twenty officers, however, of over 3 years' service

re selected a, nuarly from volunteers and sent to the Military Fa mica, Academy Special officers. There are four bodies of fficers in the

Lerinary Army whose appointment is governed by special regulations, viz., fortress construction officers, art fice. officers, ordnance officers, and officers of the trail depôts-

1 Firt. aconstruction officers (Festumosbou-Officere) have the rank of 2nd-heatenant, neutenant, and captain, the word Festivagehou being always prefixed to their ank. They are cornated from selected fortress construction ser canting ors who have passed the examination for a commission. They are employed in the construction of permanent fortifications.

Art. fiver officers (Few roserks Officers) have the rank of 2. I heutenant, heutenant, and captain, the word Fenerwerks being a ways prefixed to their rank. They are recruited from the ranks of their corps, and are appointed by the Sovereign. They are paced in charge

I amount in stores and ringarine

3, Ordnance officers (Zeng-Officere) have the same has rehy and system of promotion from the ranks of

. Original c th Art. Live and Eng. cer Scion, but this was 307 and new for s a b

their corps as artificer officers. Their duties are stall ar to those of the officers of the Army Ordente. Department in the British service

(ficers of the trum depôts (Train-Leoft-Officers). here are two of these in each train depot, the senior being in charge of the depot of transport materia, the inner of that of medical material. They are generally selected by the Minister of War, subject to the approval of the Sovereign, from lieutenants of the Army unfitted for active service, and the highest rank they can attain to is that of brevet maint

Numbers injuing annually.- The total number of o licers of al, branches of the service who joined the German Army in 1911 was according to v. Loebell's Juhresberichte, 1.512 of these 60 were recruited from the Cadet Corps. In addition 248 cadets were appointed ensigns and brevet

As 1.115 officers left during the year, there was an increase of 133

Quality of officers. The quality of the German officer of the present day is critic sed from time to time, and attempts are made to prove that there has been a gradual I ter stion of the Corps of Officers, due to the fact that white formerly it was recruited chiefly from the aristocratic and middle classes, now, these resources having proved neufficient, it has become necessary to draw largely on the righ tradesmen a and similar classes. As regards, nowever, his purely professional attainments, no deterioration is pparent. The professional ability of the German fficer is universally admitted to be of a high order, and the foundstion for the general efficiency of the Corps of Officers is Lad Juring the training received at the War Schools

One of the most important features of these so look as the very hig : professional attainments required from the staff and lostruc' a The cupid, much or a choose as a war words to take swe " ment of als practica, and scientific abi itses," The lists of suitaofficers are propared with the greatest care, for if an officer re-

r s from 1907 to 1910 were * , To . . 4 ! TORTICE 15

As has been already stated, almost every and date for a comm soin must pass through a War School, and, therefore, commission must pass through a War School, and, therefore, the first account of the commission o

Supply of officers in war a for the additional to the time of war, the Gerus Army has the

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- These feets f the Staning V was in returned in the staning V was in the standard section at letter to be standard to the standard section at letter to be standard to the standard section at letter to the standa
 - Officers who a very freat the Standing Army
 will be to 18 des sold and who pass
 to 1 feet to I was a recording to their

they pass the necessary examination and are paid by the other members of the **Origs of P** ever Others, **Chay obtain a comm.ssion either in the Reserve or in the Reserve for the Laurieufer. If they elect for the former they me dragage to serve for \$\fo\$ years in \$\text{1}_1\$, during which time they are inable to be called out times times for periods of from 4 to 8 weeks.

Reserve and Lands - officers are, if quantist, promoted according to their sensority in the entire body of officers of the arm to which they -long *

Officers do not, as a rule, remain long enough in the Reserve to rise above the rank of captain

t These course of specially recolumented under-officers are completed their service in the Standing Army, lesserve and Londwish, a, are over 39 years of age, and who monsidered fit to perform the duties of hentenants or pots, in garrisons, and with the Londsteins troops, and in time of war are employed in this way in order to decrease the number of officers who have to be withdrawn from units

the state of officers I to

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ca with the nontempts of the Standing Are we are ned out for standing as he did done go der comparing.

Infante &

ratic - fromps.

The State Total Lavara Teach

In order to improve the training of "aspirant" officers (side 2 (b), page 32), the experiment is being tried of sending there for half their course to camps of instruction, where they are formed into companies for instructional purposes.

The lability to be called up for training was not formerly rigidly enforced, but the authorities have recently become more struct in the matter

Promotion and appointments. The promotion of officers is the prerogate of the Sovereigns of the four Kingdoms of Pruessa, Bavaria, Saxony, and Würtsteiberg. The first principle of promotion is that the officer promoted is that the officer promoted is the tast the promotion of the promotion of the promotion of the promotion is that the officer promoted is that the total promotion of the promotio

to glout the arm (infinitry, cavalry, &c.) or Army

P motion within the regiment takes pace to the rank of captain or major in the infantry and to the rank of captar in the cavalry and artillery

Promotion throughout the arm takes place to the rank of heutenant (Obseleutann), to the rank of captain in the rifles, engineers, and pioneers, and train, and to the rank of taking in all arms execut infactor.

Promotion throughout the Army takes place to all ranks above the rank of majo

The average periods of service are —9 vegra as a flatle cault. V affette, acte at d subset at the 64 years as a major, 24 years as a flettenant-colonel, 24 years as a colonel, 3 years as a major general (Brigade Commundet) and 44 years as a flettenant-General (Brigade anonal Commander). In the orthogray course a find extension of 18 sars of age may hope to become a heutenant genera. By the 2c:

set visty but as system, as the major of promoths is according set visty but as system, as the majorial form more aspectal to return but make on appear are major. After the rathe of health is as a representation of the set of the control of the set of

If an officer in the lower ranks does not satisfy that I proceed to (1936)

or at the various schools is more in wiraged than formerly, especially among those officers where the description to staff appointments and as commanders of units, and

Voluntary service by Reserve of ers either with troops

The runs are of officer. As the rumber of

serjent for nor Leu Lands are not by we this tool restood evision by a richar prepared, in pance time, leaf Hossieve 2 is accessed, in the regiment to which it op belong tool Land Landsche officers in cur- 3 is an absorance formation. The remaining to the first of the remaining to the first of the remaining to the remaining to

The supply of officers in the supply of officers in the supply of officers in the supply of the supp

Efficiency of Reserve officers. The importance of ma disting the efficiency of the reserve and Luadwell-officer at as high a standard as is possible has apparently beer real zed, as the recent cast res in the annual orders for the training of the Reserves have tended to improve the instruction reserved by the officer who has is periodically called out.

* Probably a total \$8 000 to 10 on or her these of grasses.

for condition we are contact to passed over in the grounds of precion independ of r ranks, if he does not give satisfaction, he may he will not be appointed to a command. In se the efficer a retired from the sa vice other fa the rank may receive higher mark by brevet on retirement. With a many rank he may also be given special empiowment, work as a a, a . Leut on B to - 1 A cost of the cost aneur no t As already stated the system give, where is and a at S. 16 s o E. extion and other seizeted officers, the authorities ampley a number of methods to equalize ecometion in differen regiments. These are as fo ' as

1. By transfers from one regiment to another for the following

T reser, promotion by bringing in senior officers from

b I accept the promotion of a selected officer by transferring to the a regiment where me was cover the next, as a constant of the constant of

2. By act a grown of many to be protected with the fact of the protected and the pro

B subting officers to a higher grade without the patons of the rade (ohes Patentirung), and so, by retarding prom to the rade of a subtine of the rade of the r

Promotion in appointment of officers above the strong in the precipative of the Sovereign. He sees it to commanders of Regiments, Brigades, Divisions and Army Cores. Regard it is an distribution of the Promotion of the Promotio

Certain staff and nuscellaneous as pointments are classed as

equivalent to those of Reguments and Brigade Communitary. In the first metance officers appointed to a command are greated as beingfreed met der Fishering (entrusted with the command) and are not finally confirmed in the command and they have served a probatonary period which is variatly.

trmy-Corps commands are seldom given to artillery or engineer officers. These expire only, after having comman ed a ling do to becoming inspectors in their respective arms.

It was be let it stoned that battalions, regiments of cavalry and Abtelianger of artillery are commanded by majors who must first serve a period on the regiments, staff

Reports on officers.—General officers, all field officers, officers of the General Staff, officers of the Adjutantist and officers in special appointments are reported on annually, explains and lieutenants beautably.

The reports on regimental officers are made by officers commanding regiments, they are then passed through the Brigade, Divinional, and Army-Corps Commanders to the Military Calunet. Spenial reports when necessary are also made an officers at maneuvers and staff faces.

Beports no officers are strongly conditional. They are not communicated to the officers concerned. An officer has bowever, the right to ask to see the report the age, however, is hardly ever exercised. Command #f ers. of the sometimes tel officers of they have not reported well as sometimes tel officers of they have not reported.

If, before an officer is due for promotion, it is decided that he is not good enough to promote, he is sometimes told at once, and sometimes not till his turn comes for promotion

Grades of officers. The grades of combatant officers with the corresponding grades in the British service are given in Amendia III.

5. Medical Officers.

Recruitment, The medical officers of the German army are combatants, rank with officers, and are drawn from eather

(a.) The Army Medica School at Berlin (Kasses

(b.) Medica, students or medical men in civil practice, (1686)

The Army Medical School at Berlin is under the Director General of Army Medical Services, and the (Prinsman) Minister of War is Curator (For details, see page 219, "Mintary Resources of the German Empire, 1811.")

The course over, and students having taken their legree of doctor, they are attached to regrenous and may size 2 months, be put forward for appointment as 2 art actuant (Assessment). They are then taillotted for by all the active medical efficers of the division to which they belog a, and the result is subuitted to the Emper

In Bayana and Saxony there is no military medical was say, and the appointments are filled as is also the case. Fitusia for a large number, either by students with university degrees who singage diseaselves as volunteers, or by men who are qualified to practise in civil life, and have already served as vicinteers. In the latter case a sunction to the original contribution is make towards what has been sport on sudies. In all cases the future colleagues tallot for the

Grades of Medical Officers.—The grades of medical officers, who are assimilated in rank to combatant officers, but who have no combatant titles, are given in Appendix

6. Veterinary Officers,

On the 1st October, 1910, the veterinary surgeons, formerly classed as officials, were formed into the 1ps Veterinary Others (Veterinary Others (Veterinary)), and Regnistions (Mithirs Veterindrowining) providing for the supply of such officers were approved on the 17th May of the same year

Recruitment,—Veterinary officers of the Standing Army

- (i.) As a rule, the sub-votermary surgeons (Unterretormare) studying at the Military Veteriosity Academy.
- (i...) From selected civil veterinary surgeons who are appointed one year volunteer or sub-veterinary surgeons appointed one year of the service of the service in the Standing Army and from the 2nd Leutenants (Veterwier) of the Reserve, who so evitate to serve with the Standing Army.

regary (...) enter the service as 1, 2, or 3-year aspirant vete mary officers (Veterintraspiranten), and they must undergo the following training -

- (a.) S.x months' service with the colours with mounted
- (b) A course of 6 months at the Instructiona, Fr. 4 (Lebrschmard) at Berhn *
- (c) A course of seven terms (about 3\frac{1}{3} years) at the M.I.tary Veterinary Academy *
- (d.) A final practical course of 6 months at both the Multary Veterinary Academy and the Instructional Forge at Berlin.

The late f and for an "aspirant" veterinary officer jung to a ny 18 23, and he innst be below this age on the lat N vember of the year in which he joins.

- vate an research of the sweet t
 - (a.) A men orandum cot, aming data is a series as that see reparts or to be in the see as the series as the see as the se
 - (c. A certificate of education from rettain specified schools.
 - (d.) Corridants of character from the disceler of one of the service (1 d. a. declarations that he is wit ing to complete the service (1 d. a. declaration) he has elected for width may have been the property decreases the property decreases a contract of the width performance of the property decreases a period of the width he has spent at the

One-year volunteers join as a rule on the last October of the year Liwands they cleek to serve, and are allowed too choice of the nuft with whate Lay wish to serve. Buring this? I somethe service with the unit they are trained in the regis rule. Increase, and may be promoted almost conjugated the transmatton of the perion. If we promoted almost conjugate the transmatton of the perion, I shall are are sten reported on favourably to the Inspector of the Army Veterlarmy deviation, they are a sucowed to join the Instructional Forge-

^{*} See page and "Mantary Boscures of a " rman Empire, 19.1."

tt Ber in, to the Director of water certain regimental certifica es av
a. 1 • M Hary Resources of the German Em ira. 1911"

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C be favour or construction of the constructio

Grades of Veterinary Officers. The grades of veterinary officers, who are assimilated in rank to ribatant officers, but who have no contratant takes, are given in Appendix

CHAPTER II

ORGANIZATION AND NUMBERS AVAILABLE IN PEACE AND WAR

PEACE ORGANIZATION OF ARMY

Territorial organization.—The recruiting system is based and be territorial organization of the Eq. (1)

To German Empire is divided into 24 Army Corporate dustriets, in each of which a complete Army-Corpo is stationed and recrudes, except in the case of the XVVb and XVVII A. to Corporate used in A section 1. The corporate recruited from other parts of the Empire. The Pressur Guard Corpo is stationed in Berlin, and a recruited from the walls of Press and from Assac Corrust.

These Army-Corps districts are each divided into a certain. Liber of brigade districts which are again sub-divided into Laurice's districts, but each of which a small permanent staff for recru ting and mobilization purposes is maintained The Laudise's districts have each a double sub-division, mainte, (a) recruiting circles corresponding more of less to take evid sub-districts, and (b) company districts for purposes of mobilization and control of men of the Reserve and

The Army-Corps. From the above it will be seen that there are 25 Army-Corps in all, allotted to the various states as follows:

Guard Corps and Nos. I to XI, XIV to XVIII, XX and XXI Prussian Corps. Nos. XII and XIX Saxon Corps.

No. XIII - Württeinberg Corps Nos. I, II and III Bayarum Corps.

A contain number of districts are affected to each one of the Londecke Propertions. See footpote, park 93

Each Army Corps comprises 2 divisions, 1 or 2 ps. near cattainns, a train battaine, and a varying number of battainns of foot artillery (some with draught acres soctions), some Army-Corps also mays 1 or 2 citic (Afger) battai ons, a machine gun tattery (Abterlang) and a fortress machine gun detachuoni (see page 121).

The technical troops, such as railway, telegraph and arreaft troops, are assigned reregular y to the Guard 1st, Hird, VER, VIII the XtH & XIII to XIVth XVIII.

VIIIth, XVIIIth, and Ist Bayarian Corps.

Dynaions and brigades—Rach division consists, as a general rule, of 2 brigades of infantry, 1 brigades of envalry and 1 Bryande* of field crithery, but 6 divisions, the 2nd Guard, 10th, 11th, 14th, 17th and 29th, have 3 brigades of infantry

I the Prussian Guard Corps the cavalry is organized in a

division of 4 brigad — Each infantry and cavalry brigade, and artifiery Brigade, is composed of 3 regiments, but 5 info in right, in 2. d. Guard, 5th, 49th, 54th and 63nd, bay. 3 regiments.

Total number of units. On the 1st October, 1913, the

***69 M.da cons of infantry and 225 machine-gun companies

undroug of cave

\$1' 4 materias of horse as ? Bale articiery

18 a t . . f foot articlery.
A hattalians of pioneers and 26 search ig t sections.

8 ta and I traffic sent in of raf way tron s.

on a cos of airship crops a ... 5 flying accounts

[1 h. + a' finerianical transport troops

25 buttanicus of tra

* T . German Brigade I I regiments must but be confused wit it tall tripac of 8 batteries, which is known in Comman as an

the beginning of I instructions betteller, I ame soc-ga company at the last car of Marketry and a set the last car on batteller

3 by the squadrons will shortly be formed, bringing the sotaface of the southern at the field Arts are and 2 battalions

Peace strength Law by the terms of the community of the strength Law of March, 1911, the peace establishment of the Army was to be increased (not counting officers, non-commissioned officers over the rank of lance-corp ral, or on-year volunteers) so as to reach a total of 515,331 by 1915, as it to remn at that figure and the expiration of the term of 5 years at the end. of March, 1916. By the Law of March, 1914, the peace establishment was increased to 5-4,313, and by the Law of June, 1913, it was again increased, the numbers to be annually contributed by the various States being fixed as follows:

Prussa, Bavaria	 6 =	***	110	513,06 73,16
Wii, tembur,			7	1 40

The units to be by 1916

*inb) hattamens of r fantry

1550 squadrons of cavalry

1633 batternes of field and horse artillery \$65 battalions of foot artillery

31 battles of communication thops.

96 betta rous of tra to

Peace establishment. -The peace establishment of the Army, which is only calculated on the beats of a financial minimum, was, according to the Law of 1913, as follows on the left October, 1913.

^{*} I - 2 15 18 - 2 198

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4-	1 -	H en .	W N S W	M Lines
and a street staff	614.550	Б78	**	141.4
	24.8	9		1.6
Casan	86-11-1	K ₹38		
Field arts iery	* T 311 H	5 "	3 311	
Foot artillary	84,869	7 89	0.50	
Proports	24,01	E. H		
Communication troops Railway troops *** *** *** *** *** *** *** *** ***	368.0 3.4 d	13) 13)		
Experiments detach-	4)			
Tra v Other arms and departments	.19	7 1		
Lota	7' '83	5 ,88	4 + 5 -	J66

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T total peace strength may have no be assessed at 850,000 or the heart 115

WAR ORGANIZATION OF ARMY

Main sub-divisions. On mobilization the Army is

- I I'm Fie d Army (Fold Armse) for operations in the field or apr w
 - (a.) Field Troops (Feld-T uppen), or the Standing Army moti used
 - b.) Field Reserve Troops (Feld Reserve Truppen), formed on moin zation on esdres borrowed from the Stand ii. Army and destined to support or co-operate with the Field Troops.
 - Special field formations, Box is less Feld Formationen) of the artillery, even seen, &c.
- II The Garrise Army (Best mass loass), which se must at home to proceed order and three losses in the Field Army opens, g
 - (2) Depôt Troops (Ere Tro pens
 - (h.) Garrison Troops (tra Troppen).
 te) Landstarm Troops (Landstarm Troops (Landstarm Troops (Landstarm Troops no.).
- To book the above categories belong the formation of the bross of communication and railways.

I .- The Field Army,

(a) FIELD TROOPS.

Imperial Headquarters Staff. The Emperor takes the field it the head of the Army as Commander in Cinef (Ober-

kommundsecender Errogsherr) His Staff comprises the following e ements" -

(4.) Personal staff. A number of German Princes and (a) the a pre-ably also the Imperial Chan-The Id + Chif of the Civi. Cabinet. The total w ald reach perhaps 140 officers and gentle men. 200 retainers, 300 horses, and 50 vehicles.

(6.) Military Cabinet. 5 officers, 40 non-commissiones. officers and men, 40 horses, and 6 venters

(c.) Adoutantur 12 officers, 40 mon, and 50 horses. (d.) Great General Staff 20 officers, 15 clerks, 60 mes.,

120 horses, and 12 vehice (c) Manistry of War The Minister of War and his staff would very akely remain at home, he would, in Mol.ke's opinion, be more useful there. If in the

field, he would bring 14 officers, 40 men, 45 horses, and 7 vehicles.

(f) Inspector of Field Artillery .- 4 officers, 13 mer

IB norses, and I venic. (g.) Inspector-General of Foot Artillery. - 4 officers,

13 men, 16 horses, and 1 vehicly. (A.) Inspector - General of Engineers and Proncers. 4 officers, 13 men, 16 horses, and I vehicle

(a) Inspector-General of Lines of Communication and Railways (for departments under hun, see page 64). Total, 21 officers, 20 officials, 14 clerks, 93 men, 156 horses, and 19 v hi la

(i) Commandant Imperial Headquarters. - 2 officers, 3 men, 5 horses, and 1 veb

(h) Staff Guard. - Mounted-5 officers, 185 men, and 195 horses; Dismounted-4 officers, 253 men, and

e a OTSCS. (L) Supply column. 24 men, 38 horses, 10 vehicles

(m) P dyguard Police. 1 officer, 24 men, and 27 horses . Fr 1 Intendance under the 77 man, 24 Forests,

, Field Post Office Kung & Messengers (Revendes Foldinger Korps & 10

o bee 8, 10 men, and 30 horses. (q) Police. 4 officers, 11 men, 6 horses, and 2 vehicles.

"Numbers only approximate they are pased on the latte era

1870 and in a lature war might of thereased

and 9 vehicles.

The grand total of the Imperia. Headquarters Staff would therefore amount to about 225 officers, 46 officials, 1,068 men, 954 horses, and 115 vehicles.

An Army

Staff. -The Staff of an Army would be constituted as forlows -

(a) Commander and Genera, Staff,-One field-marshal or general, one general officer as Chief of the Staff, a volumel as Ober Quartrermeister, four officers of the General Staff, and four Idjutantic officers

(b.) Staff Officer for Foot Artillery His main duty is to keep the artificry material complete and in good order, and to ar sare the supply of ammunition

for al , 1 s

, Staff Officer for Engineers and Pioneers - With staff of three officers. He is responsible for the material of a I pioneer formations, and would take . rge of engineering work on a large scale

.7 S If Officer for Telegrapus

(e) Staff Officer for Railways (f) The Army Intendent. With staff of seven officials

we page 224). 1/ The lepartments of the Pr neighl Medical Officer and J . Advocate General, the Commandant of Head ors, Staff Gua. d. Supply Column, Fin.d Pol ce, F | Post Office, an | King's Messengers, require no further detailed explanation

The to's of ar Army Staff would amount to about 37 Trons and home a 176 as n. 177 horses, and 35 vehicles,

.no.ud.ng 8 motor Fr Organization.—The forces would be organized in several Armies (not more than seven), each of three to five Army-Corps, including possibly a third (Reserve) Division to be formed on mobilization for each Army-Corps, and one to three Cavalry Divisions (or a Cavalry Corps).

An Army-Corps

Staff.-An Army Corps is commanded by a general or hentenant-general, with a Chief of the Staff (lieutenant a . . a . . f the General Staff), four officers () after and three captains) of the General Staff, and three Adjutus

No regulations are laid down for the division of the distantancy the safe offence, rin, as a rule, the General State work is divided among the four General State officers, the essinct dealing with operations, marches, distribution of troops, and the rang service; the second with all utilities work; and the third and fourth with report so of latt est and engagements, correspondence with lines of communication matherities, and the supervision of war correspond, etc.

The three Adjutantur officers divide up the routine work connected with "states," casualties, returns, por a resulting the routine work connected with "states," casualties, returns, por a resulting the routine work connected with "states," casualties, returns, por a resulting the routine work connected with "states," casualties and the routine work connected with "states," casualties and the routine work connected with the routine work connected with "states," casualties and "state

prisoners, and staff by leting

The commanding officers of the Corps pieness and train battalions and ammunition columns are attached to the Army-Corps Staff

To each Army-Corps is attached a detarbment of field police (one officer, 52 non-commissione of the relative three commissione).

inen) for military police dut. es

The commander of the staff g and (one officer, five noncommissioned officers, and 45 men) also acts as headquarters
commissioned.

The arrives other street attains the first of quarters comprise the Corps Intenden, if left rest, Supply Office, Pfeld Bakery Office, Office of the Principal Medical Officer, Ffeld Post Office, and Judge Advocate's Office, none of which contain officers except the office of Principal Medical Officer (three), and a Corps Veterinary Officer.

Army-Corns Staff

	All to the state of the state o	n 1 FREST	al se	
Russ Fred Administra bys Autorities	7	7.9 %	LS	5*
E+ n	1		2.1	

T a la ware care

Organization. A normal Art. Corps consists of

The Staff of the Army Corps

2 livisions

I battalion of rifles (J) +)

I batteries of heavy artillery with light ammunition

I battation of pioneers (whose 3 companies are divided

I Corps bridge train. Corps telegraph detachment

telephone detaclime t

I flying detachment

l airship getachment and gas column

wireless detachment (2 neavy field wire ess stations).

8 heavy articlery amplication of the same and the same articlery and the same articlery amplication of the same articlery and the same articlery amplication of the same articlery and the same articlery amplication of the same articlery and the same articlery amplication of the

2 train battalions consisting to get er of

6 supply col imn :

7 supply parks 2 field bakery columns

12 field hospital 2 remount depôts.

lota, figures, and proper and communication duck

telar er 8 reguments 24 bot- 26 batta ous

1 to the second of the second

. a. t. . m. en. . e. granats 8 Abteaungen. "a a t

I metalion beavy articlery 4 hatter, s.

* One of these is a lack fled howitzer ammunition column in a significant of the second of the secon

To appropriate columns are divided into two dehel - as if

I'm the few a money course

s piercer fleid companies 1 for each givision and 1 Corps

1 Corps and 2 coverend bridge craims S widge trains.

1 Corps and 2 divisional temphone letachments 3 telephon .

I Corps telegraph letschment

Wareless telegraph stations, fload searchlight sections and floid Cotal approprimate attenues 5

3.	PAGER	 ***	444	411	44,000
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	renus-go				455
Ve	dig os				- 19

The fighting strength of an Army (rps exclusive f officers, may be broadly taken at 25,000 rifles, 900 or 1,200 lattes and carbines, 48 machine guns, and 160 guns, *

A Division.

Staff, A division is commanded by a lientengut general or major general, who has a staff of one field officer of the General Staff and two Adjutuntur officers (a captain and a sulaltern), a headquarters commandant in command of a small staff guard, and an officer in charge of the 2nd line transport of the livision

The auxiliary services attached comprise a Divisional Intendance, a Divisional Supply Office, a Principal Med cal Officer, a Field Post Office, a Judge-Advocate's Office, and 3

Divisional Stoff

		Others, were a strong a strong and strong an	rn. hs.	lat ex	V b · s
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	7	32	N N	7	9

A NAME THAT I ARE TO BE A 2 PARTY COPEN. A The second of the second second alph on Form with sq. sq.

T per to the man of the second

Organization. A division comprises

Divisional Staff and aux liary services

2 brigades of ...fantry#=4 regiments 12 battalions.

3 or 4 squadrons of cavalry (divisional cavalry 1 Bragade of field articlery (divisional articlery) = 2 regiments = 4 Abteils agen = 12 batteries, with 4 lig t

artillery ammunition columns, 1+ pioneer field company

I divisional Lridge train and I or 2 bearer companies.

I telephone detachment

Total approximate strength of a division-

4 PATEN		Esji
* PROB	.1	MP
adhe Mac-ne du-6		245
Calcidae		180

The fighting strength of a Division, excluding officers, may be taken as 12,000 rifles, 450 or 600 lances and carbines, 24 machine guns, and 72 guns.

A Cavalry Division.

Staff. -The staff and auxiliary services are on the same lines as those of a division, the strength being 23 offi ers, ac. 68 other ranks, 75 horses and 15 vehicles (which include 3 motor cars, I motor lorry for supplies, and I for petro.).

Organization.- A cavalry division comprises

Staff and auxiliary services.

3 cavalry brigades = 6 regements = 24 squadrons. 3 batteries of horse artillery, with light ammunition

adiamp

1 machine-gun battery I detachment of pioneers (on cycles or in wagons)

I field signalling detachment.

I de per la tali is and wireless telegraph stations may as a strac of

. In we ofthe ten of an authorize I t wision of each Army Corps as a Reserv piencer company

1. Named and other Parks

the property of the property o S Si no to top 40

Total approximate sire gt

A renk.	5.90
IT spanner	
Crown	4 610
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Vehici a	. 14

Fighting strength, say, 3,600 lances and carbines, machine gans, and 12 gens.

Brigades of the several Arms.

A Brigade of infantry or cavalry, or a Brigade (one page 135 of trullers as well respectively the startest of

6 satisfier a Sacrafre son at most reporter to A ma, r general or me, as a 1 m x, a souff

officials and other ranks, 12 horses and 1 baggags wagon

Approximate strength of brigades-

_	Infantry,*	Cavalry	Artillar -
A rank L vs: this Machine gay . Volucina	82 179‡	14, 640	2.17° 7° 283

Regiments.

A nafactry regiment co sists of three battal one and a machine-gan company §

A cavalry regiment consists of four to six squadrous, A field articlery regiment consists of any batteries (in to

A 0 4 10 10 N To see any and the second Abtailmages (brigades) of three batteries each), and two light animunition col mins

I foot artillery regiment asists of two battanous, Approximate strongth of regimerts-

	0 .		
	15 Eq. 4 e .	· n · · ry	* 1 "1. p-13
A. ranks Horse	8 87-2 29-4	16a	1 8a 258 8a
Machine guire	E91.3	1+	114

Battalions and Smaller Units.

The composition of a battalion is, besides its staff, as

Infantry - Four companies

Foot art. Hery. - Four heavy howitzer batterie, and one le t ammunitan column, or two mortar batteries, and one light amm inition column

approximate strength of battalions

	_ fi cry	Hoa flee	Mort.
Al mark	1 70	,	88. 7 5
0 4	1	Ř	()

The composition of pioneer and train battalious is variable and is not definitely laid down

Approximate War Establishments.

The detail of the smaller units is, approximately, as follows:-

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He re	Br Bus	eta,	7 17	., .	8	1	7. 33 · 6 ·		1 10 1



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Expansion of Certain Services on Mobilization.

Ammunition columns.—Bloc. regiment of flobi ortiller; at a see colab behind the column of the flaming and two nets fory a see colab behind the column of the columns of the column of the columns of the

artiflary and four infantry amount on comments on of the . Jon so umns contaming aromentall for the

or tre de me him troops at a distance of ani-a-do s Of the base of the state of the Pioneer naits

Problem north two tensonal bears train a second to the rate Bromber of money sales TO a ser formed.

fine Telegraph units. The telegrap on a auguster of talegraph units as for, a I r The son, to arranged took ment for each Reserve Division a Corps tomerant 4 sach Army Corns, and an Army telegrant detach nent for sach A, my besides telephone astrohamits, wirel a sensi estaching to or I I have a party of the last of the

(iv Train units. The rate out a car Army Corps of the peace establishmen, provides the fe lowing on mobilization

(1) Drivers and horses for the let and 2nd d. a st.

.2.) Drivers and horses for the anamosition . . f an ide of a top

(5.) All notual train mosts, shound saunity columns sin an areas remount copdes, fell jospitals field balveri s an war-

(v) Medical -The medica i des in the fire 1 P = 0 0 0 0 0 0 0

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.rain. (vi) Veterinary.—The A > 41. horses suffer w from 8 wht a mepts and county and the remanute, sick borse condits are firmed in addition on the lie of mara-rat de-

(va Intendance and supply - Th I a a 1 to b so on II all THE SECOND SECON . Pay Do artine it to be and a said the first state of the first sta

Cap water 4 ' 5 ' 1' 65 - 5 - 1 at 16 3 of the company of the

. Communication services ' " 2 . . r cos and other means of communication by - telegraphy, mentiones, signs ling ballaons, peroplanes and ag the Lucleys being the communical or Troops and t Vontateer Antomori e Corps the Capter VI.I.

(b.) FIELD RESERVE TROOPS.

Ti tal Bary Prope are intended immediately to m predt to band T was, and, if necessary, to take their places alongside them. They are formed of those men of the Ster land to 1. Reserve who are not absorbed by the formation of the Field Troops and the hadres of their depots, and of the men of the 1st Ban of the Isco Jucher, the

It is diving in think, i og y ope were, to by a v on f the Standing Army, viz., 50 divisions, can form on mobilization

a Reserve d vision.* 'I se Reserve divisions might be formed into fresh

1 - 1 d am o Secont 3 in 7 and 16,700 ctaur

Army-Corps or he used as reserves to the regular Army-

In addition, no doubt, a number of Landrein file to be with a second of the second of the second of conquered territory, the order to the fortresses, &c

Every Reserve ant wil. carry to actuber of the active and to which it is affinited, with the word "Reserve uded.

Reserve inits are equipped and dressed like to first one work, with the control of the Limitechn cross in white metal is worn on the heimet and forage cap.

(c.) SPECIAL UNITS FORMED ON MODILIZATION

(1) Contral ammunition depôts of Temperature of the Contral ammunition depôts of the Contral and the Contral a
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Heavy batteries, a said in to be 15-cm, however as
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the road and the part of the game wight of
The partiest should mego trains argunized (see page 158
iv Field "Gendarmeria" (Plant Dillant
(v Staff opares the homes of Heles) -5 a.
iv Field "Geodarmerie" (Field Police), -8. 10, 100 to 10 to
here and hing's Messengers (for important despated ,
bave been already referred to under "Stuffs" of unit
C- 20
Local home staffe
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Pe alarcing troops on the front when require

The various deaders as a second at Berlin, opening mental a Centra. War Trees by is organized at Berlin, opening mental based to war of a acuse onto 11 thus brane, the agent as the various black Arms and corresponds with the brane, the agent as the various

II. The Garrison Army.

(a) DEFOT THOMPS (ERRATE-TRUPPER)

The Depht Troops are intended to make good the losses uners, horses and material suffered by the corresponding field antis, and serve as a nucleus for new formations. They are formed at the peace stations of the units of the Field Troops. No cadres are maintained for them in peace time, except in those cavary regiments which will only mobilize four squadrons for the field, the fifth squadron remaining at the regimental headquarters to form the depht squadron.

The ranks of the depots are filled up by-

- () Recruits of the Standing Army who have not received sufficient training to take the field.
- (il.) Ersats reservists
- (ii.) Sensor reserves or field. The officers are made up from a few officers of the Staning Army, the remander being Reserve or Leadreke officers and, in the june grades, screens may be the theorem.

A few of the nor commissioned officers are drawn from the corresponding active units, selected as good drill instructors, or as less fitted for a large server.

instructors, or as iness income or a "seed of the Finld Troops or an area, when he defective of a unif of the Finld Troops or infinite or in the seed of the seed

s bagein be en ling in more man. A Fred Fred and Laurence

Depôt unite are formed as follows

Infusiry.—Each regiment of the Field, Field Reserve, or Lundwell Troops ferms a depot battaion, and every rifle battaion form a depot company

() . Each regiment mobilizing all five or six squadron forms a depot squadron. Those regiments, forwing the cavelry divis. is, which in delice for synaurons seave the fifth squadron at peace headquarters as the depôt squadron, Each Reserve regiment forms a depôt squadron.

Artiflery. - Depôt batteries are formed for al. field artiflery Interior (the Find, Fig.) a serve, and Landbear Iround probably in the proportion of one to every six, that is one

to every reg men

No special depóts are formed for the foot artillery. The battalions of Landwels foot artillery retained in the home garrisons would serve as depôts for their corresponding , ne and Landwehr formations

P .. r Each pioneer buttadon forms a depôt company, town a for these probably form depots in the property of one depôt pattalion to every regiment of ta a , trues and one depôt company to every telegraph, a r and mechanical transport battalion.

Trous. A depôt train battalion of three companies is formed by every train battaliot

(b.) GARRISON TROOPS

These troops constitute in war the garrisons of the towns of the interior, of the fortresses, and of coast and inland defensive works. This ray so is it seed in a de la 1 would reach a village time. It a event of the full strength of the Empire being put forth, even were the country not invaded. They comprise chiefly the men of the 2nd Bau of the Landwale, but n y a beh a so me of the est a tel A assd for the Field Reserve troops.

It is believed that arrangements are made to mobilise a large number of Landwehr brigades which would pro abla include the garrison troops.

These troops are distinguishable by the waterproof cap they wear with the wil to Landana cross to an

(c.) LANDSTURM TROOPS

The Landsturm is called out by Imperial proclamation in case of great patieral neight a aid world se est, for home defence car. The ca Bans are of very different values, the 1st containing untrained men between 17 and

5.) years of age, and the ' a tra ad . e. of fro 139 o 45 years of ag ... page 13). On mobilization the men of the lat La , we I propably be used for non-combatant posts in the a ser, Army while the men of the 2nd Ran won d he formed in separate Landstorm units, or 1 g to sent to report took offer

IT 8 and passione to state what the exact organ zatura of e ... tudaturm would be, but it has been calculated that the print of trained per property to 1 23,000 while the

These of man n g at cet as a the value Lat A THE SHIP I HAVE NOT NOT BUT I TO IN the star to let . . . I se work show a setting sews lows toe To die was a warm this man on the a at at a take of forage cap, it is probable. I to a to the cater we ever work in the same as that of the Field, Reserve, and Landsoeler troops,

Estimated fully Mobilized Strength

The table below sets out approximately what is st. asted by an . then to be the fully and zed arenety f (). German Army by arms.

Personnel.					
	cristiand re	ndrana for a	h e	n 1511 14	
A 171,	t I	t 6	84	T a	
Infactry Charatry Field artiflery First artiflery Pioteers and communication troops.	668.000 68,000 156.000 44,000 70,000	1884 000 17,000 189,000 80 000 30,000	278.000 1.0.000 88,000 70,000 26,000	2,328,000 250,300 40 NIC 144,000 126,000	
	1.071.000	65: 00P	572 HOO:	5.80 000	

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O a c. Non-commendated officers : saw es à - lis' . t. Offices s'	80 000 10 000
	186,000 118,000 5,688 -00
Grand total 9	082.000

Stand og Ar you Namour a Reserve and Law arte is not ken so

House and Field Guns

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1 (5)	5. I 987	851, A	978 408
6 de		1500	5,800

Lines of Communication and Railway Services in War.

THE INSPECTOR GENERAL OF LINES OF COMMUNICATION

At the head of all breaches connected with the lines of communication and the realway services in war as the Luspector-depend of Lunes of Communication and Rauways. He is a member of the Imperial Handquisters, and recent his orders from the Chof of the General Staff, he runks with an Army Cores Communication.

on the lines of communication themselves a sharp distinction is drawn between the administration of the lines and the administration of the railway service, but the two administrations are strictly centralized in the person of the Inconctor-General

The officer is a general officer of high rank, whose duties are to superinteed the military administration of compensation of the sensity steritory, the formation of magazines hospitals and depôts, the creation of lines of summinical or and the astablishment of parts for their sensity of the servision of the occupied territory by garriers and flyer column, and the organization and regulation of the convey, eacort and ratiway services. He must co-operate with the Intendent-General of the Kield Army, with whom he is on an equal footing, whenever the latter requires the use of the ratiways for forwarding supplies, for the provision of which the Intendent-General is responsible, as also for payments and accounts.

The Inspector-General, in addition to his own staff, has inder his orders

(i) The Inspectors of Communications, of which there is one to each Army or independent Army-Corps.

(n.) The Chi f of the Fiel I halway Serv

(ii) The Chief of the Army Medical Service (vi.) The Chief of the Field Theorem Service

(1) The Field Postmaster-General

ORGANIZATI S IN LIARS OF C MIN S OF S

General.— Every Army or independent Army Corps has its own ine of continuation under in Inspector. The areas on the line of commitment of Elegentic their seasons the line of commitment of Elegentic their) sessioned to each Army and the inits of the administrative are decided upon by Imperia. Headquarters. Dating the operations the line of the commitment of the line of the lin

A railway station in assigned to every Army-Corps sa Home base (Stappeantianper) where supplies are for and it is to far from the theatre of war, where a line of communication main depot (Army-penhataptar) is assigned to each Army, the sit had not of which will change according to the progress of operations.

1. tween the collecting station and the main depot a transfer station (*Veberquagsstation*) is established. This station marks the point where the war railway service begins

The near depot marks the position of ralled. The several Army-Corps of the Army are connected with the main depot by one or more posts (Etappersors) which are formed on the line of communication about 13 miles apart. Falling up places are established within resolo of the Army.

Corps or Reserve Division
Communication between the main depót and the several
portions of the Army is by field railway, road, or water

The system of commun cations for an Army is best shown graphically (see hagram opposito).

To the main depôt and to every post a commandant appointed

TION

Supplementary magazine.

thome base.

It A trick Supplementary magazine magazine

ME TERRITORY.

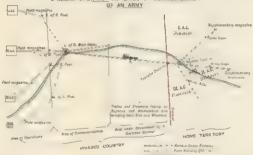
lauge Bailway way (60 c.m.). Has til her p

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D AGRAM SHOWING THE LINES OF COMMUNICATION



. .

At the main depôt are established a line of communication depôt, april to the large detailment, and medical depôt

At the several posts are etablished line of communication depôts, annumination depôts, and stationary hospitals.

The Inspector of Communications. An Inspector of Communications with headquarters at the main depôt is responsible for the line of communication of the Army or independent Army-Corps to which he is appointed "He is a general officer ranking with a Divisional Commander, and is partly under the orders of the Inspector-General of Times of Co. i of all Ralways an party preder tose of the American le to war and to be ough. Hayeremburt sant, a tide in the conjunus sangued to bits from Imperial Headquarters and to the right and left of Lis line of communication, for the establishment of communications, to regulate the transport service by road or water, to provide for the security of the lines of rail and rolang stock, to inspect periodically his line, to construct fortifi ations or fortified posts where such are required, and, in general, to conform to the instructions of the Inspector

The Inspector of Communications is kept fully informed by the Arm C name the of all secrets of troops and of proposed operations, and he does all he can to maintain a timate relations with Army Headquarters, to inform thouse fad changes in his line of communication, to forese probable requirements and to be prepared to meet them

He is assisted by a staff consisting of one Chief of the Staff, one General Staff officer, one digitality officer, one critical fact that is a space of edge or by one particular the has jurisduction over the has a proper

(a.) The Field Police (Gendermerie).

(b.) The Lage of Communication Commandants.
(c) The Lage of Communication Intendance.

(d) The Commanders of the Lane of Communication Train Service and Ammunition Parks.

(c.) The Medical Department (f.) The Judge Advocate's Department.

(a) The Pay Department.
(b) The Veturinary Department

(1636)

- (a) The Line of Communication Telegraph Direct r to-
- (a) The Posta, Department (k.) The Clothing Depots
- (i.) The Civil Allministration (m.) The Works Department (Be adverset),

(n.) The Works Department (In adverse) .

The Chiefs of the Field Ralway, Army Medical, and Field Telegraph Services have a twofold responsability They are under that Chief of the Saffor control of their severa, services in contect, in with the Field Army, and under the Inspector-George of Communication and Ralways a regards the control of their severa services on the unes of witning parts.

The Railway Service.

Peace organization.—In peace time the railway system of the German Emptyre at Avied into 88 "line commands, lettered A. Z. Each of these "line commands is under v. Line Commandant, whose business it fat to study and keep up to the meature mark the peace of, to ling atons, do., of his command, I he is assisted by a civilian. The Line Commandants report to the Railway Section of the Great General Staff, who work out and keep up to-date the general plass of transport by rail in various directions.

War organization. On unchination being ordered, the Railwas Seation of the Great Genera. Staff continues a control all transport on the Home uses unto the Enspector Ceneral of Linnes of Commanization and Railways applicated, when he takes over the general management of the Chief of the Find Railway Service (Chef des Fold Ensembly Chief Chief of the Find Railway Service (Chef des Fold Ensembly Chief Chief of the Find Railway Service (Chef des Fold Ensembly Chief Chief of the Find Railway Service (Chef des Fold Ensembly Chief Chief of the Find Railway Service (Chef des Fold Ensembly Chief Chief of the Find Railway Service (Chef des Fold Ensembly Chief of the Find Railway Service (Chef des Fold Ensembly Chief of the Find Railway Service (Chef des Fold Chief of the Find Railway Service (Chef des Fold Chief of the Find Railway Service (Chef des Fold of the Find Railway Service (Chef des Fold of the Chief of the Find Railway Service (Chef des Fold of the Chief of the Find Railway Service (Chef des Fold of the Chief of the

Chief of the Field Railway Service.—This officer directs to whole of the railway service of the Army, and has under him.

- (a The Rulway Section of the Great Genera Staff a
- (b.) The Line Cammandants.
- (r) The Directors of Mr tars Railway
- (d.) The Radway Station Commandant

Those portions of the lines in real of the transfer state note. In the Home territors we under the Railway Section of the Great Game al Staff those por the lithe fontional contents of Military Panways.

The Lane Commandants are app sed to sect one of line lar si laries between the mistary and civilian

System of transport by rud

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Details regarding movements of troops by rail. The following are the figures on which the details of forwarding to Jopa are based.
(a) Each passenger cond, on occosmodate 24 officers and officials, in a small of with testification around the second of the small of the state of the small of t
Half the bendy a control of the property with confinental or bloom betteller of infantry riflor or property with confinental or bloom bettell or staff. Consignation with regiments staff or one and is half squarrow to be better with regiments staff. In the control of the better with regiments staff or the control of the better of a mortan secure of the filter of a mortan secure of the control
(c) The average rate of travition by rail is 1 km (4ths a hour rounding talow (d.) The day of corlors hum to reach period of 21 cm. which is a result of 21 cm. which is a result of 21 cm. which is a result of 22 cm. which is a result of 22 cm. which is a result of 23 cm. which is a result of 23 cm. which is a result of 24 cm. which is a
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The Telegraph Service,-The Telegraph Directorates L the lines of communication are minediately under their own Inspectors of Communications for nurposes of discipline and admin.stration, but are subservient to the Chief of the Field Telegraph Service in technical matters generally, and for co-operating with the field telegraph system in particular, For this purpose the Chief of the Field Telegraph Server supplies the Telegraph Directors with information regarding the extent of their others of operations, their position as regards neighbouring Telegraph Directorates, the extent to which they may use the State telegraphs or other available telegraph systems for purposes of their own line of commu meation, the positions of stores of telegraph equipment in the territory on the frontier, the dismantling, improvement, or permanent maintenance of lines established by the field telegraph troops or the taking over of existing permanent lines and the measures to be taken to maintain connection with the field telegraphs during the progress of operations.

On them part the Telegraph Directors keep the Uniof of the Field Telegraph Service informed as regards the extent and nature of, and time required for the repair of, or improvement to, mose which they have taken over, position and nature of the statuous, nature of connection with the field telegraph, disablation of personnel in the area assigned to them and the number of personnel and automated require

ment they Lave available

Lines of Communication Troops.—In principle, that those of communication are guarded by a pottion of the Fe(1) Troe, a until the arrival of the Reserve, Leadubecke, or other twops detailed especially for that purpose. This number of troops so employed will, of course, vary greatly with the length of the lines to be guarded, the temper of the population and the nature of the country.

CHAFTER III.

ADMINISTRATION OF THE ARMY AND STAFF

COMMAND AND CONTINUENTS

The German Emperor is supreme head of the military forces which the 26 States (including Alsace-Loriaine), forming the empire, can put into the field

He has the right to order the moinlization of the Army, but unless the territory or coasts of the empire are menaced, he cannot declars war without the consent of the Federal

Council (Bundescat)

Ho has the right to impect the while Army (with a vice to meaning uniformity), and to fix the effective strongthm, organizations, garrisons, and certain other matters. His jowers, are, however, are, however, are, however, are, however, are, however, are, however, and with the strong organization or write.

In time of war the authority placed in his hands is not

restricted in any way

The contingents under separate administration are

- (1) The Army of Prussia and the Armes of the minor States administered by Prussia, 19 Army-Corps
- (2.) The Army of Bavaria, 3 Army Corps.
 (3.) The Army of Saxony, 2 Army Corps.
- (4.) The Army of Württemberg, 1 Army-Corps.

GENERAL MALITAM SOTEM

Division of work.—The general nultury system of the German Army falls broadly under three headings, which are kept quite separate —

- 1. Administration (administrative departments)
- 2. Staff work ,thinking departments).
- 3 Appointments (personal departments).

The Recorder votes, in full detail, three Military Budgets for Prussia and the minor States, for Sexony, and for Wilriten.berg; but it only fixes a lamp sum for the main that the fixes of the property of the Recorder of the Recorder of that of the Ministers of Wilriter of the property of the property

thy surplus on the Budget is returned to the Imperial Treasury by Saxony, but not by the other two kingdoms.

Thinking departments of a manifesting separation to the German Army is the Prussian General Staff, which neltides the Crussian) Gross General Staff, and transparent staff efficers except those of Bayaria, the latter county taxing its own General incurling Grass General, Staff Sax.by has also its own General, Staff, but the officers are transed in the Prussan on the

Appointment departments. The chief of the appointment departments as the Frussian Military Cabinet, which deals with Wilttemberg officers as well as Prussian.

In Saxony, the detail is arranged by a section in its own Ministry of War, and in Bavaria there is a personnel section in its Mulletry of War, which more or less corresponds to the Pressum Multary Cabillet.

PR SSIAN MITTAR STRIET

Devolution of a ithority T A g of P spacewerses as authority through several shangels.

The Military Cabinet The Ministry of Wai The Great General Staff

Tle Army-Corps Commanders.

The Inspectors, Army and Ter u cal

The Chaff of the Mil tary Cabinet, he Mainster of War and the Civil of the Gottern Stat Registrary authorities. They are a constant of the State State

Figure 1 To the state of the Minister of War is responsible for general admits of the Minister of War is responsible for general admits the first and supply, and the Chef of the General Staff for intelligence, military operations, and the selection of staff of the re-

Two we are trained and commanded, and the districts ad toped by the large independent powers (see page 88) and are a manufacture with the Encience.

The Inspectors of the various branches (see page cavalry, field arti sey, foot articlier, extended at the product of the page cavalry, field artis sey, foot articlier, extended at the page cavalry field at the fie

I n thinker of separate leasness sanhab which are administered and directed on gen through the travelung inspectors of each department which they contain the containing and the containing the containin

The Military Cabinet.

Organization like of firm Mina Can the practically the mouthpiece and ear of the Emperor. He said in the section of the Emperor of the Emperor of the section of the sectio

The Milery (alreating the second

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Technical Inspectors
It arranges the exchanges of Prussian and Wirttomberg

The personnel section controls all matters in connection with the light maintip of some section section of decorations and rewards, and everything affecting officers promotion, transfer, exchange, retirement, and the pasting of all excent staff different staff officers.

The Secret War Chancery is attached to this section, bacofficer and 22 officials.

Nine officers and 25 officials are employed in the Military Chimet

The Prussian Ministry of War.

Organisation The Minister of War is a permanent official appointed by the Emperor; he is an e-official member of the Pressua Chance, is a representative in the December of the Pressua Chance, and has a east in the Reichotop. The present Manater, Chancel vo. Heeringon, was appointed in August.

He is the highest administrative authority, but exceeded a midstary command over the trough. He as not responsed if a midstary measures, but prepares bills for submeason to the Reidsking in accordance with the decisions of the Bau leavest, in the absence of the Imperial Chaucellor he takes charge of the prepared that property of the property of the

He carries cut the 'erdies of the Emperor for putting in force military Acts of Parliament and Cabinet orders, after consultation with the Chancellor, if they affect the whole Empire. He informs the Minuters of War of the other Kangdoms of all matters which affect them.

Practically, he control expenditure and is the head of the "branchestretre as upposed to the purely mistery branches. Being unhampered by financial details, thendy owing to the extensive powers given to Army-Coppered to triple administration and the property of the prop

The Ministry of War consists of four lepartments and two advendent sections...*

I.—The Central Department

II. The General War Department.
III. The Army Admin.stratic. Department.

V. The Pension and Justice Department,

VI. The Med.cal Section.

The number of officers and officials employed is given on page 78.

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1. The Great General Staff C. The Adjutantus (Administrative or Routine Staff)

A .- The General Staff.

Organization The General Staff, as its name implies, supplies staff officers to the who a Army ; every staff affect (except purely personal staff and certain specially sel please to be a contract of the self the to for an extract a ran St. of rome a p his work on the staff of its Army Corps of Division

I'th hal of the ral Ept is the (he f General Staff. In addition to being the responsible authority for the selection of training of staff officers, he is responsible for the preparation of plans of campaigns and plans of mobilization, and for the movements and methods of employ ment of the Army 15 was

F the range of the state of the street General Staff a body of hegaly trained officers in Berlin it is, perhaps, necessary to insist on the definition of this low v for, though the two, er, the General Staff and the Great General Staff, are part of the same, their functions are

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policy He is quite independent of politics, and is responsible to the Emperor alove

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B. The Great General Staff.

Organization The Coat to the Staff was a way of U & new building in the Thiergarten, 2,000 yards from the Minis IV. to co com gray rold The second as I to the per a second I part from a stand it carson its to a and defence, acading most zation and the movement

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canonivres, and the capabilities of all officers engaged in them, and originates and directs the Imperia Manuscyres. It so a a law at lat r tran ag at the count and Acta Gerera Saf Fers.

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The following military establishments are placed under the immediate control of the Ch. Fof the General Staff

1 The Staff College (Kreens Av. Such

I to Line Commardant's (see page 66).

Classification of officers. The officers employed in the Great General Staff are arranged in three causgories.—

1 Fully qual fied staff theers doing rely in litary work 2. Offices doing see do and technical work builtary

history, survey, &c. (Zugetailt.

 Officers attached for duty, main, probationers who have passed through the Staff College or who have been specially examined. They have to work for a variable. If the rept of Join qualifications is then taide. (Kommonderte.)

Most of the officers employed as instructors at the Staff College are members of the Great General Staff, and have professional as well as educational dutes

^{*} For details of the con see page 214, " My mary Resources of the German Empore, 1911"

Party button of the Officers of the to . . t on ral Staff (1904).+1

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* Nec * note: page 87

* Mached to entra, Section

The salutants' duties are serformed by assess he to anse

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se on for a bod sy the Pressian Ministry of War to t Many r lacous r to see by rent concern Staff in 1804 It does not quite agree with the Prussian Army I is or the estimates. No vore remet late are available

Distribution of the Officers of the Great General Staff 1614 2 not

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* Tr survey is now under Chief Quartermaster V., who I a renera dice

I I niefs of sections are as a rule, co one s but a low are presented to the rank of major gen ral during their tenure of alle-

I pensuper staff officer or captain cave been ad let Uniform. For the a deem to the see. Sall se

page 33

C .- The " Adjutantur " or Routine Staff.

Daties.-The Adjutantur or Routing Staff in peace deals

Daily orders, garrison orders, interior economy, daily and periodical reports, personnel, personal affairs of officers and mer corresport to a offer in guest large mer of g reserves. Landwelv and Landsturm, leave, discharge from rison, discharges, pensions, decorations and rewards, ers a rms ad in nit re

The officers of the Adjutantur are selected from repr

mental officers, but most of them are Staff College graduates who have not been selected for the General Staff

Uniform Frise uniform of officers of the Adjutanter, see

The Army-Corps Commanders and their Staffs

Functions of the Army-Corps Commander.—The German Empre is devided into 28 Army-Corp destruct of which Prussis has 18.8 Each of them is commanded by a genoral, who is given a ramarkable redependence, and is responsible to the Emperor alone, with whom he communicates through the Military (ashine).

The Army-Corps Commander administers through his staff the whoe of the services of the Army-Corps within sic command, from recrutang to peaseoning, and inc admg even the andto of accounts. He submits his own estimates, and is responsible for the proper expenditure of the money alletted to him.

He can authorize expend fure on a building up to 1,5007, so that in the matter of repairs and minor buildings be can practically do as he thinks it, and has only to obtain authority for expendit are on large buildings.

In the matter of stores he has practically a free hand,

indenting for what he wants.

He is responsible to the Emperor for the discipline, efficiency and preparedness for war of all the troops in his command.

The Army-Corps Commander furnishes to the Multary Calinet speals, reports on the qualifications of all his commanding and staff officers, and forwards, with any commenthe may think necessary, the reports on joiner officers. He has large powers of military jurisdicting.

He may take any measures he may think necessary for the maintenance of civil law and order in his district.

He corresponds with the Railway Section of the Great thenera. Staff regarding plane for mobilization, for the co., stant completeness of which he is responsible, and is n communication with the nignest civil authorities of his province regarding the supply of recruits.

The Army-Corps Commander mast e not only mighty gifted soldier, but an administrative of great warray, and with a large knowledge of civil and partial after

Staff of an Army-Corps in peace, Tro staff fundaming Cipe is any educate 4 sectors as follows, in large Cinef of the transfer at Staff

Shet m I General Staff, It comprises two or three

Section I n + Marches, quarters training and concentres. Section I.b. Mobilization, regulations and training manuals, some n = n

Section II. Adjustratur Staff. It comprises two or three idintuntur officers and a retired field officer, and is divided into—
Section II a —Personset.

Section 11 a - 1 statement.

Section 11.b. Interior sconomy recruiting discharges, areas
and a. . mt. re . n. &c.
sec on like - (R re 0 : officer) Reserve, Landauche and
Landauch me.

Section III. Deputy Judge Advocate-General Section IV Administration

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1) St.a. (2) supp.), (3) of thing and equipment 4) ger a a ministration and (5) f a administration of bospit s

Section IV 5 - orph Medica office see gage 40.). Section IV 5 (ops. ops. Section IV discharge V terrory Office see section).

In Intendance, being under the Munister of War, is super to release the net of Attack programmer any otto, reporting his action to the Emperor. The Corps intonant may appeal against any decision of the general, after he has two to t, f the Wister of War, who was but the rather to the Entireto.

^{*} The Guard Oceps is not territoreal

The Divisional Staff in Peace.

The same rules and principles are observed in carrying on the office duties of the staff of a live to a fittal final Army-Corps.

A divisional staff counists of one officer of the General staff, I notione staff officer C to the light of the set one seal one set one canal divisional charlameters.

The subdivious of office duties is analogous to shot of an Army-Cores staff, but the General Staff officer does not add to an in posters on have the same powers as the Chief of the at 1 Staff of an Army Cores Tird I start as staff to swant for a staff of a fine of the analysis to refer to a officer of the officer of the

The legal work is carried out by the page all ates a conformity with the instructions for a state or and sudge advocator

The number of chaplains belonging to a division is not different nearons, one of the rale of the warts of the different nearons, one

The Chief of the General Staff of the Army-Corps has power to give General Staff office a belong up to date as projects to assecut (for all as) projects to assecut (for all as) projects to assecut (for all as) projects on a caracter.

The prescribed number of alerks and orderlies for the office of a divisional command is two of each

Special Appointments.

The number of Genera, Staff officers on the staffs of the several army reprectors (a. p. r. 93) to on. The short of the states of art. b. the short of the staffs at a case of art best than be set of the staffs at a case of a of late two or parameters the staffs at the staffs of the staffs at the staffs of the staffs at the staffs of the

The General Shaff officers in the fortress commands at talogue, Kongsborg Major, Metz, Posot St. sa. ug ud. Turrus ratio the reserve see as as to be seen as

ade a met, and too pane Ir defence ft beresen today to prove for the all of these and the

The state of the s

The obline e to of a new that is, who a larger the trieval State i nove or item from the feether of the to- cas Staff for Air and righted of spector

WAR ESTABLISHMENTS OF STAFFS.



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* The Germa Field Arthury * Re son * as no re to be Britis Frid Arthury * Brgn i as a few a gardy for Attended, now of three to a separative

Uniform of General and Staff Officers.

m of General and Stan Um

Director of the property of the

force. The turner at each de with sea a P - of this dress to do a morely should will be a more to do a more sharped lace hairs of lace a lace, because it does state a lace gots industrial leaves are on one and cutf. To Poweris the branco to do at olive and to

f and a past

Trougers.-Riack (light blue in Bayaria) with two broad \$ 4 let

But for 9 and a narrow ung in butwoon. Hone was J. R a de sed leat ier nomet, with bress Stilpes and a war s mich a feather p one in full cress. For lavarus t s Louis s w : outside and blue task s.

telerra- Whi a leather on an ecostons except in the fi . when or we ladder to y re

War Minutry and General Staff Officers.

We Manustry and General Staff officers way be d stingulated b. havi g the trotal stripe down to trousers described asar however, being cartaine. The it a are are ! cares wit two stripes of ane on both The was assest t were b I have and the Genera Staff a liver lace. The Letenda has curmine

1 let 's to the house of

A D C.'s to the Er peror (Flagor-Adja way at a guns a c . to sa to way, but the trought - in r scarot, it also a Letenka and a sourlet coffar pre-

Re t ne Staff (Astrotonine) wear regimental madeem with the say. over the shoulder as opposed to the regiments, officers also a or p Prund he was.

From the synt w room over 1 . Alie

to the three to from the two c not the mage HITh one if is from d in having two breast portiets with daps and in the

See P 1 To the first the orease present a so unjoy colors with at 5 and 1 and 1 and 10 th

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ring gent .. " " what the field service uniform narce Fue same desogr as the tun. -aud us

" He met wit fold grey helmet cover mean wish mack terms of parties and the contract of a contr

har Menon a a start gh a

The as every many page 1.5 as some tiss at an interest to the second of the second of

Temporary control of action made and

A Let a to the Emperor.

Coffs and collar retones at that to those on tue to it a General Officer but thorn is different acre on the coder patches and the

Should records and most letor as in the dack here and re-

Admiton or Chanton Star. .. here me da ne Jorne with the east over the ancodor Badges of rank. Ner name 11 .

THE INSPECTORS (ARMY AND TECHNICAL.

Army Inspectors.-For the purposes of inspection, " the German Army, excluding the Guard, is divided into eight. gr. ms, each under an "Army Inspector" These officers, who, it is be ieved, will command the various armies in t me of war, inspect each Army-Corps of their group in turn

asually every 2 years, and report to the Emperor N I Army aspection, Davidg, Ist, XV. and XXI. Army

Ara v Inspection Berlin, Grara, X11; Royal Saxon and XIXW Ruya Saxe 4

Les section. Hanever VIII . IXth and Ma At-. . Committee Marie Hird and less like any Hird

y L.s. cetion. Karisruhe. VIIIth. XIVI and XVt.

army Lisport on. Stuttgar .. IVtn. XIch and XIIIt

yn Wurtte doorg) Army-corps.
N. 7 Army I appenion. Suarbrücken, XVII, XVIIIIh ... A Army Inspection, Burlin, Has. Wih a 1 VI.h Army-

N sers - Eig t Inspectors, seven Ganara, Staff Officers, and four

To orn, you Kossel is otherhetele simber de a scoon and a tea

Technical Inspectors. In order to ensure uniformity of Histor than &c., in the different arms of the service while are divided among the Arn.y-Corps, there are, as already -tated, various Inspectors Gerera, and Inspectors who act as the technical heads of each branch. They are, as a rule, um necrataly arbord on the land of the land of the the Army-torps Commanders and the Manget f W. . by reports as they may consider necessary. They have

* There are in addition to these army inspections 20 Landweb.

disciplinary powers over certain technical institutions place I alor the $\frac{1}{10}$ happened $\frac{1}{10}$ and $\frac{1}{10}$ where $\frac{1}{10}$ and $\frac{1}{10}$ in the Army-C $\frac{1}{10}$ is $\frac{1}{10}$ where $\frac{1}{10}$ in the Army-C $\frac{1}{10}$ is

1. Immediately subordinate to the Emperor at

The Inspector General of Cavalry (with + Inspector Foot Artil , with + I

apoctors).

Engineers, Pionee , ;

Fortresses (with 4 ongier , , ; proneer Inquectors).

Military Education

n # the Military Communication Service (with 5 Inspectors*).

The Inspector of Train (with 6 Train Commanders).

Partly under the Minister of War, and partly under the Inspector-General of Cavalry.

Phe Inspector of Remounts.

3. There are also as assistants to the General Office of Command to the Command to the Command of the Command of the Communication with the Emperor.

The Inspector of Field Artillery

R. Hee (Julier and Schitten).
Train Depots (under the Master of the O. cinance).

Language
Lan

The In web The Mrs. Vr also Server

The Leangel al and Catnol. Chapsun Generals. The Director of Military Oxphanages.

The transfer of the Meaning of the M

. Under the Minister of War for administration, but u. . t come anication with the Empero, on questions of

The Master of the Oranano (Feldicity or ster) (chief of the manufacturing departments and Ordinaco orio*

I. The supreme Imperia. Military Court, to which the Emperor has delegated his powers, is the highest Court of Appeal

LAUN PERES

. Ye following mmittees study the questions which their name to the

The Cavary Committee.
The Small Arms Committee.
The Ordnance Committee.
The Prince Committee.

The Cavalry Committee. The Cavalry Committee serves to note, examine and report on special cavalry questions and novelties. It reports to the Minister of War.

Its members have ther daties.

The Commission of the unit davaley Division A commission of a Guara arti-say. Brugade, he had a stant of the yestef of the General Staff Two officers in the Man says of Wal

The Small-Arms Committee. This Committee has the task of investigating and reporting on new inventions and proposals affecting small-arms.

the the agent of the Minister of War

The More of the Indian Points of the Language of the Tenders of the Tende

Permaniont mambers (with no other fution) I general, presid.

1 advetan Rentines lo slei in F

7 meth-ben THRVIDE T

Extra members , with other duties?

7 - 96 a e reaction M. e rel an 8 as sixtant officers Cattaesca offi e-

The Ordnance Committee, -The Ordnance Committee has the same duties as regards guns as the Small Arms Committee has towards the infantry weapons. It has two sections, Field and Foot Artulery

c'erninueut members (with no of, or dutaes).

E0 M 30 10 9.37 18 2 W 660 Da

1 Delivers

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extra we bers at a r ..

3 x ar e mambos

4) q gyn L 107-12 a de la besteut de ours.

8 . f he Department of the Master of the Ordnanon

There is bearles, and a contractor of the correction at the this more in the weather

The Engineer Committee The Engineer Committee, immediately under the Inspector General of Engineers, Propeers, and Fortresses, is a permanent body whose main de tes are the state of an discharge, is in I am water just electro-technics and all the branches of military engineering tog fler will esca hits was of protect explanetics in these subjects assisting in the preparation of manuals for the engineers and pioneers, the design of technical equipment for these branches of the set

It consists of 4 sections, viz., pioneer, fortress, electrotechnical and engineer

MILTARY SYSTEMS OF WURTTENBERG, SAXONY AND BAVABIA.

The detai, of the corresponding military systems of Wirttemberg, Saxony and Bavaria is annuar to that of the Pressian system, but on a smaller sca.

The Kings of Bayaria, Saxony and Wirttemberg have separate War Ministries which are organized very similarly to that of Prassia and conform to most of its acts. Their orders are conveyed to their own armics through their own Ministers of War, who are represented in the Reichstag by military plen potentiaries. The staff officers of Saxony and Württemberg are trained in Berlin, but Bayaria has a separate General Staff establishment. Wurttemberg officers are frequently found serving with Pruseian troops and rice

result, but Bayarian and Saxon officers never serve out or their own arm ", ta, n of the latter as serve with their units in Alence Lorrains in the XVth Army Corns, the stoff officers of both Kurgdoms serving at headquarters in Berlin and officers serving with certain units and detachments if

CHAPTER IV.

INFANTRA

General organization.—The infantry consists of 1 21 ments of (2) infantry of the Guard and of the line, and (b) rife (Japer) battalions

The total peace establishment (1st October, 19.3) of the

16.450 c. ers. 1.354 med cal officers 1.581 paymenters and assests the relators

944 handmasters 983 artijars

18,903 non-assumed afficers.

(a.) Infantry of the Guard and of the Line.

PRATE LE ANDALES

General. There are 108 brigation of infinity, of which consist this October, 1913 the second of series the 2nd Guard, 5th, 49th, st., in 1 th, in the total of 217 regiments. The total the series of 217 regiments.

Regiments	~ ate	1 ogu	. 0	'u re
A Guard . Pr	HERIT	1 5 2	. 6	alter to the
17 , 8a	drifemborg many as	1.9 100t = 108t v.	133rd,	01th, 189ta 8 and 1st +29rd

41 infinity regiments have 3 outsilors, which gives a to a 6 551* battalons for the Guard and Line regiments The are in addition 18 rufe (Miger) battaions making \$669 in al

Certain regiments are styled grenadier and others forder, but the name implies nothing but an honorary distinction. One has regiment (the 1984; Saxon) is ** led a ** - r (sharpshooter) regiment and wears a uniform **.... ** that of the rifes (**/ore*) (see page 114).

the are numbered I to III with a thregment of the are numbered I to III with a three three

Peace establisaments In re two was esta at ments, the higher and to a

5. atto ms, r., a33 Prussin, 3 Witttemberg 3 Saxon, and block at the including 6 Genet regiments and the troe sets of the frontiers, are in peace time maintened on the content of the con

'i argths of the vancas infantry units on a peace

^{*} T . 1 Instructions Infantry Estad of at

F F Property and a section of the counted as a Juger backer of the counted as a Juger

^{1 4} resear, 27 Warramaker 18 Sakon v. 100 Bs a and (163r

and war footing in Prissia* will be seen from the following tables --

PEACE ESTABLISHMENTS OF INFANTRY REGIMENTAL STAFFS !

Raisii	N an na
ВоТоре и	1
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Price Mes.	,
av disstans	
und	,
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PLACE ESTABLISHMENTS OF NEWPOX BATTAL INS

Ut :	H ghor	Lower attablished
May. 4 Cay m Cay m Adjatan I be team to and the to and. I be team to a value in hand to Now anomalisationed officers Deam-major to Lance-corporas privates and luglers Met. 3 of the	1 9 1 H	1 1 1 3 5 4 +
Total all ranks	741	563

The figures of the Bayarian, Whrttomborg and Saxon units do not wart to any group ox on from t

t Octain Guard and the regiments differ slightly from the above 1 One of those is the Schebboughuan" we is of infly responsible for the ra angle of the

The peace establishment (1st October, 1913) of the infantry, excluding rifles (Juger), as

15. Bud officers

1,318 medical officers, 1,545 paymesters and assistant paymesters.

926 bandmasters 665 artificers

56.980 non commissioned officers

al 4 475 rank and file

Schools of Musketry "The Prusaian school is situated at Winsdorf. It is commanded by a colonel, as commandent, who has a lastenant-concil as he assistant and a lieutenant as adjutant. The staff conests of 4 captains as members, 10 lastenants as assistants, a paymaster and a medical officer. An untractional machine-gun company is permanent, at the school.

Tre Bavarian school is at Augsburg and has a staff of a Leutenant-colonel as commandant, 3 captains as members

and a heutenant assists it. The objects of these schools (Infrinterio-Schiese-Schieler) are the training of musketry instructors and expert shoits, and the dissemination of a thorough knowledge of the service small arms and of the Requestions as to them and their ammuniton. The schools are also required to point out any defects in the Musketry Regulations, to submit outgestions for their improvement, and to follow the

development of misketry questions in foreign countries.

For details as to the courses held, see page 199, "Military
Resources of the German Empire, 1911."

WAR ORGANIZATION.

General.—Infantry units on mobilization are brought up to the war utrangels shown in the table on page 103, in which the peace establishments have been included for purposes of comparison. The peace distribution of units to Army-Corps remains unaltered.

PEACE AND WAR ESTABLISHMENTS OF INTANTEY UNITS.

			1-2			
	Horse Venines	+	19	gh sc;	119	6 1
nate).	Hora &	10	. 65	193	400	-
War (approx.mate).	Off or ranks	100 E	1.650	B 204	6.438	5
16.8+	M of a officera non citicalls		~#1	25	ä	1
	ОШоити	, rg	31] 70] 148	*
	Other	100	719	9 208	4 41C 8,148	P. T
± PROG.	Madien, cheers and officials		00 00	a. o.	共지	1-
	Officers	-pa ndil	19	63	128	9
	Tuic	Острану Підрыч висавільниц І. ичт	Barkanont — Higher sett offshment I. wer	Regiment of 3 Battahonst Higher satablishment Lower	Brigade of Regimentat— M.g. er escalishment L. wer	Staff of a Regiment

(Palbage) consisting of a varying under of groups (Erupper) of a first (Roten code), the character of the second of the compact of the compact of the compact of the code of the compact of the code o

Transport.—The transport of s regiment of 3 battalions at war strength, acclusive of the machine guin company of those regiments possessing one, consists of 16 led horres, 58 two-horsed vehicles and I four horsed vehicle, and is organized thus

Transport of a Reasment

1st Line Transport (Gefechte-bayage

16 led horses (1 per company and 4 for regimental staff).

12 smal) arm ammunition wagons (1 per compacy a

3 pfantry medical store wagons (1 per battalion)

20.1 Line Transport Grosse Banage).

16 aggage engons (1 per company, 3 for batta ion staffs, and

I fe sept writer staff

2 supp y wagons (per company) 2 suders' wagons (1 per batistica -1 too, wagon four-person -

All aniantry transport sugrous are four-wheeler involves to bot wo horse (cacept the lool wagen) and panticely grey They are driven from the box and, with the exception of the small arm annuntition wagons and field kitchens, are made up of a body only, with a fore-carriage which looks under. The small-arm annuntation wagon is composed two boxes, rigidly connected by futchells, and carries 14,400 rounds or about 70 per rife.

Transport of a Battalion

(W.thout machine-gun company).

et Line Transport Gefechte-bugnyt

4 red horse 4 company small-erm ammunition walrons

4 fls d sitt nens Linfantry medical store wagen

2nd Line Transport (Grosse Bagage .--

1 raggage was a for battalion headquarters

i suggare was a fer battalion headquarters i cappany saggare wagons. b supply wagons (including I sutter a wagon)

(1036)

D 4

Transport of a Comp an

1st Idna Transport (Gafechischausene

1 Ted to s

I company small-arm ammanding wagon

2nd Line Transport (Grosse Bagage)-

I company baggage wagon. I company supp. v wagon

Armament. Officers, medical officers, officials, serieantmailts, ensigns and vice seriesat mators are armed with swords and automatic pistols, '08; drummers, buglers and bandsmen (including extra bandsmen) with sword baynets . officers' servants and hospita, assistants with sword bayonets only; transport drivers with cavalry swords and '98 carbine, other ranks with the '98 pattern rifles and sword bayonets. The four company stretcher bearers are armed with rifles, but do not take them into action. Medica, personnel are armed with sword-havonets only

The '98 pattern rife. This rife is on the Madser system; calibr-311 inch (7.9 mm.), weight emply without man 9 h 3 1 sengt, 48'6 taches; sough of barret, 28-0, server, from f turn in 9-39 taches), maximum, rate of fire old at a a co

I . of sp a fir now a my flush with the lasts of The same and and the real with the time was not tas flat of the thumb, and avoids the consistity of pressing the las-

marilge species s t The cartriogen are held together by a grooved charger or etrip (Falzartiger Hatter oder Ladestroifen), which grips the bases on. and falls out when the breech is closed after the five cartridges have been put in. They therefore he free in the magazine and slug-

cartridges can be put in at any time. There is no cut The cartridges are arranged in two vertica, row, . . . ft ree ' ie . her of two rounds, close against each other, so that the magazine

is small and entyrely in the stock The extractor consists of a piece of spring stee, extending a little more than ball the length of the bolt. It is devetailed on to a rine of

steel, which works it a cannelure near the fore-part of the bolt.

The platform is actuated by a "W" shaped apring of ribbon steel. The bottom of the magazine devetads into its seat, and is secured by a stud and apring. It is easily removed for cleaning

the bol, is a smele stor, foreing with no agrarate bolt bear. It is retained in the body by a stud on the left, and is removed b on sing out a singed spring shutter to what a the pictor a attac in-The holt is provided with an extra one engaging in a recess in the cylindrica, part of the rear end of the body. On toe bolt Is a Salar, rib w lob acts as a curdo in wildcare no t T a rib cas underneath the extractor and supports it when the bolt is cased The bolt can be stripped without tools

The bands are secured by means of spring catch a

The year and of the holt is provided with a selets eathly where is manapasated by the tamb and forefluxer from left to right, and can on what used when the manuspring is compressed The backsir t consers of

.a.) The bed, which is graduated for 200 metres" and for every of metres from 300 to 2,000 and has a series of process vation for Lundreds of metres, and those on the right

for the intermedians fift . . (b.) The siding piece, which is provided with spring cutches to

to the notelies, and a point, r (c.) The garder-shaped assi, which is of unusual strength, and . supported by the slidi g-picc

in overaght is a barieveory devetailed into its block at right you to dr ox 8 of the barre In our . . . The Sa pattern revolver and seen remared by

1 19 0 - - - 11 Ta at as 8 cartradges, has a ca thre of Son inc as (9 mm.

and weight 1 8 .os. (835 grammes). The length of its over 122 mm.

the east of the cartridge is 29 mm, weig 4 .2 5 grammes and well at of control lib armounters. The reject and a blanted point and WEIGHT & STREET

The maximum range is a 640 ards, and the man 49 . f . Sword-bounds. The abest pattern Mark 98/06 -wir can -

that of the bayonet alone 1 lb. 2 oz. : olf kg. 1.

need with the 48 rifle is 20) inches 691 mm.) ope I've weight of the bayoust and seasbard is 1 lb. 8, oz. (7 kg). Ammunition. The new "S a unaution has been adopted for

the '98 parters rifle the principal aberstrup is in the bullet. This is pointed in shape, a d s therefore known as the "B" bullet, Iram I - German word s.

It is 1 10 inches (28 mm.) in supple and tapers town to a diameter of only of that 1 25 mm.) at the point. It will then be seen that on v 3 inch of the ballet touches the sors of t # riff-

it is made of said, with an envelope of steel coated with cupro-

proke, and is silguily supped at the base with the figures 32 stumped in the centre thereof. It weighs 154 32 grains (a) graining.

A law kins of newless graphing in those single in figure to work.

A 1.8w kim. of powder, graphited n.tro-cadalose in flakes, is made use of for the charge. The weight of the charge is 48 4 grs. as (8 15 grammes).

The mixed velocity is stated to be 2.821 f.s., as against 2.09 f.s. with the '88 pattern ammanation former y in uso.

The penetration of the bullet is officially stated to be as follows:—

-	8 " Amaunation
	176.
Dry dea, timb.	20.1.1
At 110 yard-	*3 6 i rahea 51 5
875	.8 B.
, T 365 .	9 9
Sand or sarth (maximum pens-	15 4

Fron plate, 275 inch (7 mm.) truck — er envaced at 980 vges s.

Steel plate, 574 inch (9 5 mm.)

thick:

Brick walls ..., ..., ..., Slightly dented at 110 yards;

no effect beyond 11c yards

1 brick thick, penetralis by a

Stagle bullet

of 20 melos into early and 12 melos into sand.

The most of the Strategy are the opposite that the sand the san

Distribution of ammunition The following is to east a

- A II DE - CON IN THE COME	N of conal
Carried on the moldier	perau 150
In the plants a to a tion some	1
Was II & HOU F	1.5

In the beavy samunition columns, some 20 Cartridges are made up in cape of five, three of which form a

packet (Nchachtel); 15 packets (226 rounds) are put up into a box

Tabel 911

t % to se on juge 162,

weigning packed 16-07 ths. a 1 34 of these are carried in each compost amount ion wagon, which thus holds 14,400 rounds, weighing

1 anger by
Cyclists here are like heas, in war fleyrlists we are enterly
ased for aderly work but, on accumus, the evelets of a regimen or
brigade are grouped together for reconnaissance and the services of

Stretcher bearers. Had company as 4 stretcher bearers.

Signalling we may all the tracker mays and proceed as the control of the control

Bango-finding instruments. The "Hat" range is distantial invention (with which experiments are of a disc is carried by every battalion.

1 are a stance and in the art of the other had a series of the principle, and prioriteally the same in appearance extendity as the Maria had

Equipment. - The men's kits, consisting of

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 f ract emp.
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 1 no so f.
 1 no so f.
 2 no so f.
 2 no so f.
 3 no so f.
 3 no so f.
 4 no so f.
 4 no so f.
 5 no f.
 5 no f.
 5 no f.
 1 no f.
 1

are carried in a cowhile knapseck, supported by brace attacoud to be waitable. Leading as Rapseck is a law for preserved most to be a row ratices), which can be carrier separately if it is appears as the behavior of the second of the second

side are carried the award bayonet and entrenching tool. The tools (spade, pick or hatenot), the metal portions of which are suclosed in isather cases, are hung thy means of a leather loop on the cases) from the belt, handle downwards immediately behind the bayonst. Each man also carries a portion of a tent, consisting of a square of canvas carry the equipment of a new sent Too while equipment, put tog new a skew offere, and here a The total weight, including arms, carried in the service were the order by an infantry soldier of medium adight is about 60 lbs."

Field glasses are lesued to the propertion of five per company Tools .- The entrenching and other wood carried in the field are shown in Appendix XI

Uniform. -A field service uniform of a grey colour (grey green in the case of the rufles) was introduced into the German Army in February, 1910, in addition to the existing Intforma

Rules for the wearing of field service uniform.

The rules with regard to the wearing of the two kinds of un.form are as follows .

The old uniforms, called now in every case "dark blue (dunkelblaue Unsform), are to be worn-

- (%) On parade. (h.) On guard duty
- (c.) At Divino service
- (d.) At courts martial, a (a) As walking out and somety dress

The new field service uniform (foldgraue, or in the case of the rifles graugruns, Uniform) is to be worn-

- (a.) In the field
- (b.) At all field exercises, &c., except against a marked

Guard and Line Regiments.

. Dark Blue Uniform (see Places 6, 13 and 14.)

There is practically only one dress, the single-breasted tunk, but a .cose b.ouse (Litsuka) is provided for fatigues and drills within the unit. Officers must wear the latter garment when eyelling on duty and when it is word by the men, and may do so is barracks and hillets. For mess and wasking out officers wear a frock at general the same colour as the tur

Tusic .- For Prussian, Saxon. Wirtismoorg and Hessian troops the

* The tola weight carried is 544 lbs. (see Milstär Fe changels. 1913 bage 23123

Sax Sand or a second 114. Ar a a a a this rue orre c, and t VIV. a 1 1 1 1 1 1 1 To the Value of the Vita of the Community of the Communit Titan Is a Factor Is to tuning a transfer of the tr graph property and a second second Tele D F TO 4 T . . Y

V = 2 s.s 5 Ps - 1 - -Na 1 9 % 4 nm. B Grenn at F. N & 80 the Basta on a JE 11 . . . our re as ga .

Aures Pin

N - 80 " 1st and Srd Battaltons), 52, 100, 101, 12 1

1 1 1 . r Regime

F 3.8 7

greateon, - night gray for otherrs, mra grey for mon, with the a maker of the regiment or fitular an angrain on the shoulder straps web are of the same colour as the turne should ar straps, the country

110
Br. p. n.
has sherwae what
Distinctive Marks of Rank (Common to all Arms and Dejuctments,)
An officer's rank is independent by his shoulder straps of the balles on their

In fan dress the epaulettes* (not worn f .e. Subalton, otheres . . Without from re-Fretel afficers Wita tan france

General officers With frings of thick stiff la . In aidress and or service

Subaltona afficers

Fr 1 mars 6. 2 1 6 10 West tarrow flat shoulder Wind to Land 1

> Wear sl.gl tly larger shoulder straps of twisted at ver cord Wear shoulder straps of good and silver cord muyed and arter than field officers."

strain. The hadeas of rank are --2nd . outebast (Les N sa Major ... Major genera. Lacutanant (Oberleutnant) ... One star Lieutenant-general Captail+ Tw sta 6 (olone General ... General (Feld y me per ve to a relative) (thorst) Three stars Field marshal ... Crossed batons

. Ausrars have no opan etter, but wear about ter straps. * Called in Gerrana "Hauptmann," or " Fettmouter" in the cavalry

For shoulder strang and equilattes of medica officers Te T Try personnel, and paymenters (see Plate 99)

ar fund Plates 19 90 and 47) I can all ore Arittanen

In ot the color. Under other Gold or silver lace (according to the colour

of the luttops, on contar and offs. Sarwant, dond or silver age as for under the ra with

butt for a mer and a but al ghtly a ger

As for seriesnt ms.ors, but without buttons on 2. 4. 12. 4

-As for sermants, out with officers sword All To is he former on a balt worn outside the tu teent in bussers and lancars). Serieant-majors of cor there are padrons, and batteries have an extra bar of the a the a eve above the cuff

tors, defend as officers. Series majors' to fare, . . viet less lace round the shoulder strang

luctionity As for Lectenants of the I. w. f their arm but with no sashes or suculettes. Instead of the latter, shoulder straps 24 inches broad, with silver lace and the number of the Army-Corns, are worn

Special Radges and Murks

To a " con mon on colars and oul A STATE OF THE STA f . 9 . 4 . 7 p a se a f tionker str p nd t I was a surface We gray of the shoulders.

a c a construction to the construction of the

to see a no de this

and on

Distinctive Marks of the Troops of the Various States

The pri chal articles of uniform distinct ships the treats of the

He may ornaments are P.o. A. Na Committee of the Com

Company squadron and outtor a Do a

Sword and a set of the Paller -(2) Field Se or 7 . v. v. Plates 35, 31 39, 34, 41.

The infantry field as y a reason, and

Tunes .- The tonic (see Plate 40) is of field erey (grey preen for J v 1 Schutzen) material, not whike our field survice inchest in share and colour, but not so vellow. It basastand and fall color, under which is a scarf of the same material. It has two buttoned nockets in the skirt, and a pocket for two first field dressings inside the front of the left skirt, Pipings and fa it as are searlet, except in the Bayarian Army, where they are ri . red Another d st.nction of the Bavarian Army is the Bayarian lion on the limitions. Dull white metal or nicker buttons with crown : these and metal ornaments are not polished. Shoulder straps, edged with the colour of the Army-Corps (see page 100), bear the number of the regiment, while the button of the strap bears the number of the company

Trousers. The trousers are of the same material as that f the tunic, with the same piping down the side seams

Boots, -- Boots are of unblacked leather, like the ma ority of tanned leather art.cles kept in mobilization stor-

Greatcout. The grey (dark for men, light for officers) greatcoat worn with the "dark blue" uniform is used with the field service uniform, the shauder straps of the tonic. which are detachable, being fastened on to it.

Head-dress. -The can is of the same material and colour as that of the tunic, with different coloured hands and wests round the crown, and bearing the distinguishing cockad-(see Plates 25 and 41)

The beliest of the "dark blue" uniform is worn with a field gray cover bearing the number of the regiment in rad on the fract

Means of identification. In addition to the distinctive

excellence of one on a machine a tan ticket with his number and that of his countsuly. supporter, or battery, and regunant, suspended by a cord Pran bre reck nader has clothing

(b. Rifles (Jager)

Pence organization .- There are 18 battalions of rifles. f TO 31 1

14_ the Guard Jituer the Guard Schutzen, the 1st-11th and late Battahons are formshad by Pressur and the States admir. stered by the Prossian War Mulstry the 18th and 18th Battalions w Saxony the 1st and 2rd Bayaman Battair as by Rayama.

W. b *bet and but four conversed and but to Block of Leon to by the of the Control of the Co companies are numbered from 1 to 6 within the battalion. Peace establishments. There is only one peace establish-

PRACE ESTABLISHMENT OF A " JAGER" BATTALION

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Medica Aker Pay asters and a				
Randmasters 1 15 - 04 r rs Bug.orse	7-9	,;	.3	T 9.

^{*} Except the lat an 2nd Bayarran July Carry as a re-

g aran se wil act be greateff 1914

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Lance corpor san pres is Regiments andosmon Modica orderhas	5	isn 1	19	7.3
		- 5	10	Nn a
+ Exercis , or note:	T 1k		Ť	12

- 4 0 rs 0 22 4 ap 10

The new o establishment (1st October, 1913) of the rufles , N. --

- 548 officers
- 36 raedica office: 4
- 36 paymesters and assistant paymesters.
- 18 bancarasters
- Brant Fig. 1,933 r or or rail assigns of thems.
- 13.1"5 uka: [...

War establishments. The war estab shments of rotal panies and battalious are almost the same as these of the infantry (s - page 102)

Armament and equipment, These are the base and Which makes a few transfer and the control of the c North of the 1818 . I so are a come of the end day hav no a collect.

Uniform. For the state of the seed and the approx " by the state of the party

"Jager" and 'Schutzen' Battalions

i.) Durk Blue Uneform free Plates . A. 14 durk green elot: with sen + - 6 an r s an she backs on number on the Ph. Saxon Jager save back or lar a d cuff straps, and the 14th lager have glit m . . . 1 - Ravarian Jimer have a furning 8

/ A. . . a color patches. The Guard Jager ris .

Transp. . 1 Pro. and the second of the second o

s Semident and Say 1 we were a pour telever No. 14 hatta of the community of the Bayarian Jäger att turves

the transfer of the contract o

toward from the said about Her . a ii

P. Week P. I REFORM LOCK L. To Ben 53, 30, 30, 4

The annual and a seas or die Guard and line regressats of the infantry we are life executed on or making of great to a ber a shako is we a ust a cf a semice

CHAPTER V

MACRINE GUNS

MACHINE-GUN UNITS

Ma . 1 gar , to united for a scar to and the tronger too a label ato rake an attra (the care ore a companies, and for tress a cogan notacaments. They are al. under the Inspector of Machine-gur. Units at Berlin.

Machine-Gun Battery

Organization .- Machine-gun batteries are independent units under Army-Corps or cavalry division commanders. but attached in peace to mfantry regiments, usually to Jilger batta ions, for discipline. In war they will probably be exclusively used with the cavalry divisions.

There are 11 batteries, viz. 9 Prussian. 1 Sakon.

1 Bayarian. orresponding probably to the number of cavalry divisions that will be mobilized in war

The pears and was strengths of a machine-gun battery are

	Oct Committee	War v a grex mate
Oires on S	1	ī
A TOO THE	1 1 11	1 4
M secondaria	* + 4	8

^{*} PK 19 00 00 0

I battery consists of six gons, in state! I a light the total on 6 wagons, each drawn by 4 Lorses, with 2 dravers to each wagon, it is organized in 3 sections All drivers and horses tro f alog the mate to a A Free id non commissioned officers are mon sted the gun numbers are carradent, we saw rt man other to our

The personnel consists of picked men of more than average physica a literate property from ifactory no s from a few months' trai and

A number of men surplus to ordinary requirements are trained in peace who could replace casualties in war Transport. The transport of a maculee-gen bathry at wa-

aras sa sa to a for the Pro do er

6 . rapd ampered gun wago n. i asbarses lamberon summention wagon-In T . Trans a T and the second F 1975 V 18 175

to Line I part I to go go go was b

1 3 person d a recommendation I DESCRIPTION AND ADDRESS OF

Armament there are sweets at 1 with 14 ron a and the property of the care o the '08 automatic pisto, with 24 rounds of aminon t on month our moncontinuenced officers a I drivers are armed with a sword, the rema r . en a cr is rblac and swore bayonet A

had or siedge, whose is itself mounted on the carrage. The gu vaeither be fired from the carriage after unimbering, or can be removed with its siedge you fired from too ground the latter being the more asiml procedure. The neight of the gun when firing from the s le-

The rear portion of the sterige as prove it with two scort shafts or andles, which are fixed. There are also two movab a hand os " !

put of the stonge as In man-I ne summittion is carried in over Toron 2 8 2 6 2 2 2 2 2 sadges (6 per sadge) which can be dismonated from the . . er . The sense as a trade soil and a second

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Fat n - a -

^{4 10 5} P 15

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Ta ut s name	
Mac. Pr. westy. Batterine range: 4 of degrees ewe me. Penetration: into each or mand, at 110 yearls Penetration: into each or mand, at 110 yearls Penetration into each or mand, at 110 yearls Penetration of each or each of the second of	2801 S. 2019 yards Lead yards for both smottle per minute for tholes for the second for the seco
x - 11 ft s +	176 =

W got two 65 g Bervice ammunition. -14,00f rounds of 65 ammunition (see 1980 1. 3 for the force god of 87 300 rounds per latery v.z. -

0 500 per gun on the imbered gun wagen. 4,050 per gun in the B aumunite in which as

The admiration Limbers at The each outsing theorem of Some bounds. The descriptions are arranged to the support of the support

Practice annum. Hon. As annual allowance of 110,000 or ade of to 12 months to be a seen and the months are also as a section of the section o

Musale attachment for blank ammunition Eas go as a trace to as to for age with blank ammunition, with the result trace the contribution of the con

the containing for the same as to the wanting of the dark blue and

(a) Dura Line Lagura see Pintee 8 and 13).

Thus,—A gray-green cluth tunic with stand-aut-full or lar. The offer it is not been as a constant word No. 2 Guird Macchine-gun listery, which has block or as a constant of the battery appears on the shouther supp.

Licensia, draw, with column pater and mass green. No 1 crossed Machine-Clum Battery has a scarint as anguard No. 2 has green a vet your a war as a green a vet

Transce at war us. Are of the same coloured to as the

that can the pre-shound by ark are appared trage cap from the care the const by ark are are according to the cap of the c

Come. Lun gr v. with sexulat shoulder straps and collar pateres variety for v. on ... on

Re a wow water

Greeny - Asf at paretry | Seer v e at from see P aces 32, 35, 36, 41 and 45).

1 Near to a form ser Paces 32, 35, 36, 41 and 43).

t a following a star and the Trans.—Of green green cloth, with searlat piping on front and sairt and round collar outfie (Swedist), and shoulder straps on which is the outfary mount to a last to a last the star outfary

Appear to see shoulder strap buttons as well),

N'es 1 and 2 Ouard Machine-gun Esteries (see Plate 85) wear, in
all to be we would patches and yellow patches on the cuffs, and

the shoulder straps do not earry a battery water al

No. 2 Guard Mao' inc-gan Battery has black piping round collar and after which latter are of Brand, aborga patters

Tressers and pasialeons. Bearlet piping on the side seams, Cap.—Of grev-green costs with sourlet band and souriet wast round crown. N. 2 a. a. M. see span bastery has a lace be d with scarlet wells at top and bottom.

Badges of rank. See page 110

Machine-Gun Company.

Organization.—There are (1st October, 1913, 233*
machine gun companies in the German Army distributed as
follows —

Pruss.s, 180 (and 2 instructional companies).

Bavaria, 24 Baxony, 19.

Wurttemberg, 10

This gives a company to each infantry regument and one to every "degree battains except the 3 Bavarian battainous (see * note below). The machine-gun company forms the 13th Company of the regiment. As regards training and descipline, it is under the commander of one of the battainous and starting the contract of the commander of the battainous and starting in the same position to that commander as the other 4 companies of the battainou. Officers, no -commissioned officers and men, once they have been selected if the work remain machine-gunners for the rest of their service, neutring Reserves services.

* To be increased to 255 in 1914, when the companies for the 2 Eavarian Jäger batta tons will be formed. This number is exclusive of 2 instructional companies, vis.,—One at the School of

Musketry and one with the Instructions. Ratialio: + Plumily a backation which is statumed with the Loadquarters of the regingent

The company rasts of figure, in cel sedges and carried was seen give a losed alore divent with my Trage, aptain the parties of so to the grand south of the term of the state of early nation I was a carried in brack is I is peace and war at notice for marking gan cor page are a fellows -

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er mit. M. so , m. he ; ... so is the findance of the wennests. It is tighter, weighing with a edge and water Read and a second of the second to be drawn by 2 justered of 4 horses.

* So a no r n + 1 + H

& Exclusive of the 6 gur wagons.

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Amminition the big more to when there he alle as a two and four to mean the gain as it of media amount for the same and the gain as it of the same at the gain as it of the same at the gain as the same at the

> 8,000 per gun on the limbered gun wages. 4.000 per gun in ac a mad took sug us.

Uniform. Officers and gen wear the uniform (see page 108) " the remark to which they belong the men lave a light blue sour on or we diknot, with white wreath and shder see P ate 15; the

shop ter-strap outton cears the number " 13" (see Plate 2 Fortress Machine-Gun Detachment. Press a con regreater that are mapped to be inder A his teris commanded that an attent to with 10f try reguents and repaire on as the last upony it such regiments

The peace establishment is -

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16 non committee al chiers.

69 arce at or da and process a what if there's

I medical non-commissioned office 28 horses (including 6 officers' charge s.

Tactics of Machine-Gun Units.

General Gora de mag a ho efinihe a s t raching sty the gree ere es s ans are, him 1905 to 1913, m. the number of these weapons abotted to her field armies, and in the attention paid to the training of the DW 80 752

Machine-gun batteries are used either for special operations such as with the advanced guard for seizing and holding advantageous posit me e a ul no e all he bu ase was well areas an ears oth a shit assamed to Leader g dow exerts was notice which for a positing the attack

M on regun com su sarry v by said to be cheff a sed for the direct support of a fantry in the fire combat

As regards to a whole I attack gains, a game, the principle emply and to sewile excensions and shore rushes by smal, groups

Machine guns are not intended to replace artillery. Their effective range is \$,200 yards, and it is realized in Germany that about 1,600 yards is the limit of useful machine-gun action.

No hard and fast rules are laid down as to massing of dispersing the guns of a battery or company; but though guns are often used in parts; it is rare to lear of a gun being used singly. The tendency is to keep the 8 guns massed

Fire control. The avatem of fire control is very much the same as that which obtains at the Hythe School of Munketry. The target, ranges and nature of fire are given out by the controlling officer, and repeated by the non-commissioned officers. Hand signals or the voice are used for opening and cassing fire, the non-commissioned officer, or No. 1, tapping the fire on the shoulder, as we do, to such him first.

Ranging fire, traversing fire, continuous and vertica, essarching fire, will at he onproyed according to the target If one trad of her as possibly the ego is fath of and ver fied by ranging fire; if not, combined sights, differing by 51 verde, are used

No attempt a made to control the fire of brigaded guns firm a central position

CHAPTER VI.

CAVALRY

PEACE ORGANIZATION.

Organization. On the 1st October, 1913, the German Cavalry consisted of 110 regiments, each of 5 squadrons, except 3 Bavarian regiments which have only 4* squadrons each, making 547 squadrons in al.

The arm is organized in brigades in peace, the Guard capairy near 3 lowever, organized as a division of 4 brigades. There are 55 brigades all

The regements are , gule together, 2 regements to a langade, irrespective of the fact as to whether they are heavy medium, or light cavalry; brigades bear the numbers of the (infantry) divisions to which they are attached the

Normally 2 cavalry brigades are allotted to each Armycorps, the exceptions being the Guard Corps with 4 brigades, and the list, IVth and XVIth Army-torps with 3 brigades

each.
The manner in which the cavalry is classed and the regiments belonging to the different States are shown in the following table -

[•] The Arestandre state and a la formed • Exact a state state state of On vary Brightes and preattacked with 201, . . as 341 Livewer respects to

Na. . 763 Bo - 11 -18 0 If Tu 1 mgs hts 10 Carses or to medalors. 1 81 2 Port 9 S are en 2 Bu Mess was Conaling H acv. 18, S uneres ture 26 Lancors Ula 1st-Srd Guards, 19th and 17th, stee lettern 2nd Nem). and 1st-18th 20th, and 21st. Bayarian. Line Front Canarry (Fig. Hen s. -8 Drsgoom In. T. . 2.1 Obta aul 26.4 21 Hasset .. Body Guard IBbb 19th and 20th 1et 17th Line 8 Checouragers 1st Stu 13 Jüger zu Pferde* 1st-13th

Inspector - General of Cavalry. The whole of the Present Lawrency of the Court of Cavalry, the Court of Cavalry of the Court of Cavalry of the Cavalry of Ca

Establishments.—There is now only one peace establish ment for all envaluy regiments, this is slown, together with the corresponding war strengths, in the following tables:—

PEACE ESTAPLISHMENT OF A LAVALEY REGIMENT*

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6), 50) 20 d 20/	à
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Lange-corporates and a	.32
To a racks	H.F.
1 1 A A	

The squadron is organized in 4 troops (Zuge), each of 3 or rore g o ps.

[&]quot;Originally expanised a squadrous of "Mounted Order a

 $[\]varepsilon_{\rm p}$ s \pm c.s. 248am at his one from way the Saxon and $t_{\rm th} = \pm t_{\rm p}$

PEACE AND WAR ESPERITMENTS OF CAVALRY UNITS.

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The total peace establishment (1st October, 1913) of the

287 bcs.

2.0 veil a Sheers

35, valer r ry officers.

2.9 paymasters and assistant paymasters.

110 bandmasters.

900 THE 608 1 5 7 . PTakes B officers.

30.486 rang and fil

No. 35 Page

Schools of military equitation.—There are two of these schools (Militur Reit Institute), one Prussian and one Bayaran

The Prussian school is situated at Hanover, and its principal object is to train officers and non-commissioned officers to be accomplished and bold horsemen, and experienced instruction

The Bavarian School of Equitation (Equitations-Anatoli)

is at Manich The Prusasa school is under a heutenant-general of avalry, who has under him 2 neld officers as commandants of cash of the two sections into which the school is divided, namely, the officers' riding school (")fister-Reutechule; and the vary non-commissioned officers' riding school (Kacallers-

Fr 11 m . is well There are 14 captain instructors for the officers, and they may remain at the school intil they are promoted. The matruetors for the non-commiss oned officers are found from

the officer pupils of the second year For details as to the courses held, see page 201, "Military

Resources of the German Empure, 1911." , specime reorganization. The School of M. Hary Equilation, as a r at crean, zed has proved inadequate for the training of all the Armies. It was, therefore, dec.,ded in 1906 to establish four add, tions! Prusslan efficers' reling schools (Officer Raischulen) in different parts of too Empire. One was setablished at Paderborn in 1906, and ween the others have been formed it is stated that the cavairy non-But Brisationers are the contract of our Separt at Handyor which and and are the filters' of ag serious Officer-Landelme at Handre was de renamed tos Office s' Bruing

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Officers' riding schools Tires of they seem sittely go Re no con Strat present, he Price at Pide oid, he Prissent at Sola a sale Sax not Diesen

It a the and to actal a w more Pressure and a S mittar ord Barskon res morels

T we schow a are inter le to say or at the a oct at Hanover, in the esting with less hit to the last offen of vound officers.

The order note some to be det a plane as a bett I day is with three captains as instructors. The school is directly of la se The act of the sel . I Mit to E affet b.

at Hannya

but detains as to the pourses held, see mare and, " M. stary

Recourses of the tearman Empire, 1911

Cavalry telegraph schools. There are two of these schools (Agyattern Telegraphenschulen), one Prussian and on arian, and they are intended for the training of to dt s condited with the cavary selegraph ear ment

The Program second is situated in Berlin. It is under the command of the officer commanding No. 1 Telegraph Battalion, to which it is affiliated. The staff consists of a captain of cavalry as principal and night heutenants as an observatores.

The Bayarian school, situated at Munich, is similar to the Prussian Cavalry Telegraph School It is affiliated to the Bayarian Telegraph Company, the commander of which is the principal of the school. There is only one instructor, a houteaut

For detains as to the courses held, see page 211, "Military Resources of the trerman Empire, Itali

WAR OBGANIZATE N

General On hit the on the wary wall be organised as avalry divisions and divisional cavalry. The cavalry divise at two chill will properly se malineed we consist of three cavery begades each of w regments, each of for a port of a time and a settle The and the state of t

t table day and trail to

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· il corks, a trace s is rise to an to reverver; serjenuts and ander a finera w to at ice, aware and revolve pance corporals and privates with suce, sword and caroine, and officials, farriers, hospita, sesistants, officers grooms, veterioary THE PARTY OF A PERSON

ment wild in all to dear A I a said to administration I do a 1 . " . " . "

The 89 pattern sword, which is sed by all cavady other than than

new with the Pa tasch, has a bade 35 mones long. The total length of the sword is 42% inches, and to weight is 2 .b. 5; oz. Fin

and the second second second point of piece with the shafe, which is of cast sued

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as we are a security the amornance pisto, see

plant may be Salars I Very g 4 1 4 2 5 4 4 1

er an and a service of the service o AD to 2,200 yards, the graduation or to 700 or or

antermediate graduations at every 50 Ammunition - The following a counts o amino i " " 1"d

a t cava evanta is A -- H P PT A Ch id d

ph 105 27 & as se of carbine and revolver summanition is also carry t

Cavalry telegraph patrol East val. v regions as a cavalry telegraph patrol (Karallerio Telegraphen patroutille), consisting of 1 officer, 4 non-commissioned officers and 6 men. and divided it to two groups. Each group is equipped with I telephone, 4 "separatora," and cable for crossing streams A patrol can build 7,500 yards of line in about 70 minuses (average). The patro, is used mainly for provide munication between headquarters and advanced detacaments. or with the nearest field telegraph stations, and also for tapping and destroying hostile telegraph lines.

Cavalry regimental telegraph equipment. This consists of the equipment of the patrols referred to in the last paragraph and telegraph stores for special purposes and ... sput o, 2 let . et a te egent apare in tal telephone. 380 vards of cable for crossing streams. It is all

carried on the telegraph way

Signalling. See pages 137 and 255 Tools and explosives. The this and is assess at each with cavalry are shown in Appendices X and XI

Cavalry bridging equipment, A cavalry regment is

equipped with the following bridging material 4 or a final's vigar to period east size is as or to the orealt of a cost to the cost to the cost to the cost of sk r I Ea. If bott ass a potated bow and squarthe service of the property of the service of the s

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1 80 1 widenfi mes. a or- art was

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* * 18 × 4× - -0 ->

Moons of transport, 'the above equipment is carried in two six-horsed cavasty oridge waguns. When piaced on the wagons the bosts are put one on top of another bottom ip, the upper boat resting on the wooden rail of the lower On this rail are straps with hooks fastened to E 2

the ganwales, which as . I sunt he to be a to the boats when forming the

Method of forms 1 . A on out a structe be done a ther on same a great at 1 mg rehowever, more early a. n r t . t. h boat and are access to the total

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Uniform. For runs as to the wearing of the carle a a · flore service " u tforms are pure 108

Culcassiers (c. F---

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"The method o cars no e rome and a . . of re Ar sa Tra (1636.

Dragoons and Bayarian Heavy Cavalry (Schwere Retter) see I an an

fame. The tanic is of aget bins rest west for Regiments N . 28 and "a while, wear dark ereen. To palear of the farmer. ruries accord g to the regulment face Party at. Ib macher A the s men have tety lac non arranse use Plate I ...

out. Groy, with light olue collar pat he and a se

no a manus Pora F1 seel a man Havy . . . e deb laive whit he was no ne wit come to a care

dark blue pazitaliones Head-deese. Black pullshol was a not we up at an age Danish Carbita for Longgoon Guards, for Reg. 1 3 34 a 1

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THE PARTY OF THE DRIED BY THE WAY THE R N 1 , E S 1 2, I , as about the . alv G and hogens at and in Log on Ve ;

y a v pg . . + N m. 18 m d a wear gb+ , we way A r o busoy ong 1 1 ou 1

and the off the court of the co er lar pate on the comer of the oneby say Second and plack except the Sax of agent we are were

K all P yer 4 Betts and a rifer. White, excess lineament No. was appro-. . 11

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the state of the second of the second

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and 21, which have with she with scar of strings. Havar an imperhave lark ercen wit carmine stripes on the trensers, out one on -

He dedress. Lance can with with borst art w grant AS GOOD WATER ON NEED TO AND THE REAL PROPERTY OF coth (Bayarians dark green) wit , bard and protog of a -as the tunin factors. Roy ments Nos .7 8 s . 1 forage cap, with aging ones many the total and the forage cap, with aging ones many

earming hand in Regiment No. 18. Conte-Taget gree with a corresponding to the same and a where the shower stops are the conor a figure that the same are the conor as

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bases with Bruts. Kru-

over to the Baverian Light Cavalry Chevaulegers sells * Tunor. The tunio, which reserves to a los an green

to early. See a la a comme was a second Transers and anulalogue -Dark gross, with stripes the colour of the

Being A se' pa " s

Wead-week, Black poushed leather a met with white plane, or at mencenvess. Forage cap dark green with band and ripang he

the about an item and a

House -Kn -Cot was. As for 1 for try

Sazon Heavy Cavalry Schwere Reiter) are Plate 7. Tune. The typic is of dight have dot, the same puttern as the currespers tume edged with white. The 'c far and onfie are white for the Goard Neiter Regiment and stack for the Carasanners. The shoulder scales are gut in both cases and the Guard Reger Regiment

ase a titular monogram (see l'ati I who so a promotouseft as as too

a was White Head-dress, -- 3nd meta, whilet with spike actions is Figure

* A saw cas here introduced or the Brown of Brown as a same

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Jager zu Pferde ... Far ..

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Clock Light gray with Incings as for to-

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t ... No r . I maform take P ates 32, 33, 87 to 45, as d 47).

set one of the resumbles generally that of the refinitry

7 w ley hanks have a stand up could in passe of the function follower with the admity. There are four ky could follower have been as the function of the funct

the same coloured by the same coloured by one same coloured by one same same same same same same same coloured by one same coloured by one same coloured by the same coloured same same coloured same coloured same coloured

france is write a linet, busby or lance cap of the book andores is worse with a grey cover or a forage cap of field army (now plan and with a fiverious colours (see I are a lates)

or to -Of brown leath-

. Formerly squadrons of nounted orderhes.

† There are now 14 regiments of Jager zu Pferde (tacings not known ...

Books The up and be so a return of flore wear brown me howers in the and a service service Badges of ranks. See no. 222

Special Cavalry Establishments with the Cavalry Divisions

Field signalling detachment.—Each own.ry division has 1 field signaling detachment (Felitisipnolethedmen) consisting of 3 cavalry telegraph patrols (ser page 131) and 6 signalling troops (Signalirappe), each troop constanting of 1 officer, 2 non-commissioned officers, 4 privates and 8 pack house with leaders

The following stores are carried —18 telephones 4,600 yards of exvalry cable, 150 miles of cavalry wire (76 mm.) and 6 signaling apparatus (6 onto hed belograph and actylene samp), with sufficient material for \$10 hours' work with the lamn.

Pioneer detachment for a cavalry division,—Sec

^{*} The real matter a this unit is heady record terms that the time the silent transfers as

CHAPTER AIL

ARTILLERY

A FLE..D (WHICH INCLUDES HORSE)

PEALE OBGANIZATION

Organization O the 1st October 1913, the field activery wavested | 6 031 batterns of field and horse articlery and fit | w trees t g t.er with mae batterns (three being howtern ; t e k + 1 yt kr > .or | f cruniery, making the country of t g b w eve | f cruniery making the property of t

adotted to each division and carries the number of the division to which it belongs. The "Brigade" consists of two regiments, each of two disclungers of three batteries.

And unger are numbered I and II and atterns 1-6 within the required

Horse artillery Abteiluages of tirres 4-gus, batteries each, elvers in runnber, destined for service with the 11 cavalry divisions which it is expected will, see formed on mobil raction, and alaskined to the first guard, 1st, 3rd, 5ta, 8th, 10th, 11th, 1.-, 15th, 35tl and 6th Bavarian Regiments.

The second Abtorbungen of a certain number of regiments

"The German sengede" what not be explained with the Broks fie is tiller, stress a world is known in Gordany as a "Abjellow"

consist of light field howlesses, giving one or two field howlesses Abbeilungen to every Army-Corps.

Inspector of Field Artillery.—The whole of the fold artillery as under the Inspector of Field Artillery as on fartillery as under the Inspector of Field Artillery as on fit as uspector are to assist in the development of galaxiety by the preparation of the necessary texts books, and to as pervise the arm as regards the proper unders a duty of these text he as and combinance with the untractions contained thereu.

Peace Establishments. Field artiment nationes are mandament in peace time on two establishments, and horse artillery batter es on one establishment. These establishments are shown in detail in the following table.

PEA E ESTABLISHMENTS OF HORSE AND FIELD ARTULERY LATTERIES

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^{*} Fi a but erros will not reschituder

I peace establishments of the regimental and Abterland stale, esh wan the fillnwing tabe

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	The same	To data go	400 1119 311
P fi-pro	2	4	1
or Mark to	¥	2 1 3 3	1
Paymasters and assistants for massers		i	3
Phoppeoffer s	2 3	9 8	A
T ta		14	ħ

The total peace establishment (1st October, 1913) of the field and house semilery is

Brack T. T. T.

3. may a offing

316 vetermary officers

529 paymasters and assistant paymaster-

101 handmasters

21 a net ficers. 14.181 non-commissioned officers.

72,180 rank and fi.e.

7 3 27 1 1 488. A. 3. + . ema em I Lowitzers.

. For t oll myam to af a

Field Artillery School of Gunnery. This school (Feldortiller a Mchouse Schoole) is situated at Jüterbog, and has for set the instruction of officers of the field artillery at group periods of their careers. It also affords facilities for

g out if experiments and for the investigation of the confusalant is a The send he bas a limiterant-colonel and a major to assist him, with a heatenant as adjutant. There are 9 instructors, of whom 7 are majors and 12 cantains.

a state at regiment of field artillery, consisting of three If . we of three batteries each one of the Abteilungen being armed with field how tzers-is permanently at the School of framery The non commissioned officers, gunners. and drivers of this regunent are specially selected that drawn from other regiments of field articlery. The regiment s . . . as the Instruction of Regularit (Leter-Regularit).

by a to the courses held, see page 208, " Mil.tary

WAR ORGANIZATION

General. Vothing is laid down officially or sent, officially f to you may ou of the field artillery, but it seems certain that no Corps field arti lery will be formed, and that a see distribution to divisions will be maintained

buttaries w.l be a letted to each of the 11 cavalry divisions which it is expected will be former. In an Army-Corps the late of the la howitzer batteries, and the other deviation will have 12 feed

The following field artiflery gaits will be mole of

for) Field artillers batteries (Seid, horse and in his attent theres organized in Abtalang .. ag to a a w

(b.) Light ammun tion col amo

War establishments. The sport of the strongths of these units are given in the table of the 42, with the peace strengt - t - its | + eq. Wa was

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A TO COME OF STREET A SERVICE OF THE STREET

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Brigade = two r 6

Organization and transport, Field, he conflowing the batteries are organized this at war and the

Tright all wagons of the real let of losse and find three's sections. The war strengths of losse and find batteries are given in the table of the second section.

Armament.—The horse and field batteries a strated with a quick-firing field gun (the 1896 gun with 1 provenents introduced in 1905 and 1905, and 1905, and 1905, and 1905, and 1905, and 1905, we state resembly seen re-armed with the state of the state o

The field qual & T at 11 9 4 6

- " Two I horse batter
- * Ten in arm on tores

gita convertes, and mounted on a shielled, guil-recon carring . . . o principal letuils are as follows:

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Wig tof shrapaci r high xp ad ... 7 ... 8
Was tof fixed remarkton and packing ... 7 8

Mu. ... 1 fixed remarkton and packing ... 7 8

Mu. ... 1 fixed remarkton and packing ... 1 8

Mu. ... 1 fixed remarkton and packing ... 1 8

Mu. ... 1 fixed remarkton and packing ... 1 8

Mu. ... 1 fixed remarkton and packing ... 1 8

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Mu. ... 1 fixed remarkton and packing ... 1 8

Mu. ... 1 fixed remarkton and packing ... 1 8

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Maximum percusanen mager has dupt a.50 a 1.52 s Maximum percusanen mager Workt of grunn bered ap without meh B5 6 kwt Workt of warpun 87 7 cwt

the sweepen are the sign ta be it is not of the for an independent lies for sign table. It is for, y acce, od, the apper part of the shall when the recently, has control for the shall when the school of the independent and the state of the shall when the shall will be the shall be the shall

o by a mr. Is in one. I at k-ringe at out all og at winess and the action of the actio

The sign is a second factor of the second factor of

T a har firing and a har firing and the first game as the first game with the care carried to be a water seats, the care was good to the whool ariver can put it on by here.

The anth field houseser. The issue of the sulek firing aght field howster M 38,09) was commenced in 1, 10, and is now computed

| 4.18 to | 14 collispen | 18 collis

The howther has a single-motion weaps branch antiquing in split awth his paneram spire. The sipht is previous this paneram spire. The sipht is previous for the range for set of to a x charms, so that laborate in trees in terms of the range. The certains is on the constant long-recoil spatem endle being on rear trum one with a houter of the x charms of the results of the results

Ammunition. Faddyna ammunition. The s rapid, sies, doubts, 500 buddes, swiling 15 t. the pound, and the high-explosive scal receives about 1 oz of natr power with I hamat

Fixed aum deation is used and is packed in the limbers and wagons bestevis contaring three rounds such wagons to 61.7 hs.). To unless a 35 and the wagon 90 christon b 30 g e visit of

the total number of vonnes to a way as a second

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The boar to an array of the second of pastern newheter

the shown in the table on page 187, and the unibers of on-wersal

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AMERICAN CARRED FOR FIFTD ARRESED

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	31 3 A.A.	P. Bui	Shrug n=	# &	1	ă	10.
	J. 5, 74 . 34 . A. A.	Carolin Carolina	II p Shruga		п	1	والدء
		i - buseem	7 Pr 14P	. 244		0	181
		When C rungd		An into	Thus	1 h + 4/2	Bown to B

+ 1

The state of the s

* Weight I field howitzer among too. 2 rounds and 2 carriages a backet, is sample, 727 bs. and high-explosive 85-8. b \pm Ta. and vermal s of a stated to wearly 80 × 10s. and to oc to n 2.5 thm of explosions.

(i. Dark Blue Uniform (see Plates 9, 21 25 and 27).

Taken. Days, blue brank with Lacke covar and enffs, sud sow fite stress with the regimental number or this are mongram (see what is 19), the odour of the shoulder straps varying with the Acay Corps (see 144 18). The Saxon reg mannis were in lark green times with Saxon so, also such cash of the Acay Corps (see 14 as also before scales with titture troncipants (see Finis 1994).

shoulder straps with back very thoughts

Treasers. Dark blue, the pastacons of mounted men are the second dress. A black polaried leather heimst with brass creaments and knob for the field arts ave, and horse-had passes for horse

arciliery, as follows

Rund regiments Wate

Ravarian Een's

Forage cup,-Dark blue, with Lack hand (scarse for Saket

arbitery, and sear of piping Const und greatend. Lig t gray, with shoulder straps of the same colour as those of the tunic and collar patches of the same colour as

here early no know the colours of the sword and layoust here say the flerest actiones if a regiment see Plate 15). Here W. I have a no be a row of lack two

Rest W. of less to be strong in lack for Saxon, Whetherberg, and Hessia.

Heads, Knoe for mounted onen and short Wellington for dis-

Noeve. As for infantry

(ii., Fadd Service Uniform (see Plates 93, 35, 37, 89, 42, 45 and 46).
It amilium is the same as that of the infautry (see page 112) with

to in which there were the second of the sec

on cuffs. Dut. w 1st -mets, buttons with crows.
Thousers and pandacount. Scarlet piping on the side scams.
Fan.—Band of back duth (officers, black valvet) with scarlet.

welts round grown and top and bottom of band.

Hadres of rank.— See page 114

(b.) Light Ammunition Columns.

Organization.—On molulization a light ammunition column is provided for every 1btellung of field guins or

^{*} Or automatic postols, the issue of which we represent

Light field nowitzers (leichte Munitionshilonne and leichte Feldhaubitz-Munitionskolonns). It consists of 24 ve ucles and is organized thus

A georgia section of figure of the ground fining a

T. + 1 .. T RESPORT to rest cho som -

. If one Transport (ferome bugage)-. 6 horsed store wager with flood for.

1 " horsed supply wage. I to said rog was .

War establishment, The approximate war establishment of a light ammunition column is shown in the table on page 143.

Ammunition carried. The quantity of amministion carried by a light ammunition column (gun r howitzer) is shown in the table or page 169.

Armament. The men are armed with revolvers (or automatic pistols when availalle, 13 rounds per ravolver being carried

B. FOOT ARTILLERY

PRACE ORGANIZATION

General.-On the 1st October, 1913, the foot artillery con sisted of 24 regiments, t each of which is rormally organized. in two battalions of four batteries each. The tot I in aber of battalions is 48 and of batteries 190. Not included in the above are two battalions at the Foot Articlery School of Gunnery, which form the Foot Art.llery Instructional Regiment.

Battalons are numbered I and II, and batteries 1 to 8 within the regiment

The 48 battalions are distributed as follows -Prussia, 38.

Saxony, 4. Bavaria, 6 Every regiment, except those which are allotted to coast defe ce " is sarrished with one or two League ways Abterlungen or draught horse sections, which are attached to each of the batteries in turn with a view to training the personnel in the duties of a field or siege unit in the field

On the 1st October, 1913, the number of Bespannungs-Abtestangen was 301, of which 23; are Prussian, 3 Saxon and

Inspector-General of Foot Artillery. The whole of the Pressian foot arthery is under the Inspector-General of Foot Art.llery, and is divided up into three foot artillery inspections, each composed of two foot articlery brigades, the latter consisting of three or four ego hearts.

The Bayarum regimes to natitute a brigade under the Ravarian War Ministry

Peace Establishments.- Foot artillary units are maintained in peace on two establishments, these are shown in the Following tal

	somen.	· dicore.	Pa assers	1 P	Hatse -
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,	0.0074.1			19	
ii apatah salah	lag r				4 - 19
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	I go	- 01		51	
A 97L	1,005.6	21	9	48	4.8
. 5 1 1 tona	1-01-01-0	13		88	7 1

[.] In the case of the atest find howitzer and unit to. tiversa, she I is the sol project we are 140 † 18 Prossiau, 2 Saxon n . a

^{*} X s. n.r." on money in bitalions are not stationed together.

f Excusive of two for the Post Artil ery School of Ganners 8 Ragiments Nos 1 4, 6, 7,) and 18 have an extra fir d officer 4 Inc > c cor s charger Officers confige.

The total peace establishment (1st October, 1913) of the foot artillery 18

1.332 officers.

82 medical officers. 35 veterinary officers.

, 29 paymasters and assistant paymasters.

25 handmastere 50 artaficana

5.355 L .. comm.satoned officers.

28.00% men 3.391 horses

Foot Artillery School of Gunnery. This school (Fuss artifleris-Schiess-Schule) is situated at Jüterbog, and has for its object the instruction of officers and non commissioned officers of the foot artillery. It also affords facilities for the emboration of improvement in methods of firing, for the carrying out of experiments in equipment, and for following the progress of foreign artillaries

The commandant is a Colonel, who has a field officer as assistant commandant and a lieutenant as adjutant. He is assisted by sight instructors (six majors and two capta us).

Two battalions (eight batteries) of foot artillery, forming the Instructional Regiment (Lehr Regiment), are permanently at the school, as are also two of the foot artillery draught horse sections (Bespannungs Abteilungen).

For details as to the courses held, see page 209, "Military Resources of the German Empire, 1911,"

WAR URGANIZATION

General. - Howitzer and mortar batta..ons will be formed on mobilization, and the units which will accompany the Field Army will be the heavy field howitzer batteries with the 5 9-meh (15 cm.) howitzer, four such batteries forming a battalion, and 8 27 anch (21 cm.) mortar batteries, two of which make up a battalion.

These heavy field howitzer and mortar battalions, when brought together for special purposes, will in all probability be organized in regiments as found necessary, but normally the heavy field howstzers will be allotted in the proportion

of one battalion to an Army-Corps

It is not improbable that heavy guns e.g., 10 . o. r possibly beavier natures (see page 158), will also be brought into the field, but these will, as a rule, form the armament of mega naits.

WAR ESTABLISHMENTS (APPROXIMATE) OF UNITS OF THE HEAVY APPRICABLE OF THE PURE APPRICA

TENTO TORIGINARY OF THE PERSON PARKET							
	4 dos	· chirtroks	-tv. 1	gr 50	A sett a	other to it can	
Hen y Field Howitzer	£.	'25	22	4	н	7 4	
M star Battery	,	264	148	1		7.4	
Mortar Battery Hary Field Howitzer	3,	3 14	.67	e.S	eC.	311	
Me at all a los Sullos es egetos	2 d	816	,	8	94	4 *	

Heavy Field Howitzer Battery

General.—As stated above these batteries will be grouped in battalions (four batteries) and possibly regiments. Organization and transport.- A Leavy field howitzer

battary is organized as follows at war strength

Prince data y 4 un to was us a seemate unign 156 W gon Line 4 mountaid sh wage . . . mora a 1st Line Transport I torn a gray small NURSE FAIN 1 dhickery forms we are w. I. Transfort. 1 машие пам Tag way

I forage wagon I flald rep wages. 4 ors of

[.] I cluding fin I kitchens, which will be issued, when available

The how teers are organized in two sections and the amunication warons in four waron sections

All the non-comm seemed officers and men with the firing battery can be carried on the limbers and wagons if necessary. The limitery can move at the treat

War establishment.—The approximate war establishment is given on page 193

Armament.—The battery is armed with the 15 cm (5.9 ach) heavy field howitzer, 02

The Berns during field headers, O2. This howtizes the Larpostic Saich only waget og Seib, (40.6 ag.) It is mounted at the type of heavy lim eard carriage. The recoil at checked by the type of heavy lim eard carriage. The recoil at checked by the proper state, which are carried at his disher the carriage cause lack. Maxwell are carried at his disher for the purpose, are placed under he wades some tradt in action to proceed that a should this call from the recoil being host of the recoil being host of the recoil being host of the recoil being host objects.

a bea, down to the pastorm to end of the piston being attended to the trail.

The weight of too overteer a 2,970 lb, that of the armace with beat 5 5 be Troute with the county beat 8 beat 4 cm.

A considerable by 8 beat 4 cm.

Ammenation T as a result of a gale supplier of the bursting of a life bursting clarity of a life burst

E t vag re-s 30 rounds. S not to to

" A g o ' mew o' 'mring- and miber belt nd team stated to be

+ The effective range is considered to be 6.000 vs. a corp. r a i hospital 8 584 ba

AMMUNITION CARRIED FOR THE HEAVY ARTILLERS OF THE

Nittas	ALTER ATT	TORING H.	- Hards-or	a Laste o was

who car 1	Henry fie d l	mowaizer, '92.	21 um. morta-		
	er y	47 514	Programy	F or r	
Firing battery	744	31.			
1st (e wagons	4	36			
Total with	28%				
Light amagen tion country	21e	9.4	×ı	15	
I' see	z 1	106	51	1.:8	
2 u.l. (B)					

Laying, observation and communication stores. Each

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Radimor with control

Charte by frome.

Armanest of personnel. Officers and verrest efficiers an arread with the art for widers exceed and residence, monotoleum-manifestimed officers we take arthury and residence with the arthury sevel, and to represent with the factory sevel, and to represent with the factor of the seven and the seven are also described in the seven and the seven are arread of the seven and the seven are arread of the seven as a seven a

Equipment of personnel. As for infantry, see page 107. Por the number of entrenct, ag tools carried, see A. pondix XI.

^{*} Orantemate platel the source of the source

Uniform, -For rules as to tak will og a - xik bu " a -"flo. I service" un forms, sea muce 108

(i.) Durk Ress Lauform (see Plate 9.

The in form to the same as that of the field articlery , see pag 49 .. except that the shoulder straps are white, the culls are of a 1,8 rent nations, and the trousers have scarled piping. In Saxony the fw., artillery wears the same un form as t a field

invarian foot artillery wears a spike in the he lot and they, with black velvet collar patches edged with

Rayanet land. As for infamiry one Plate 15)

(ii.) Field Service Unaform (see Plates 37-39 and 46).

I'm amiliarm as the same as that I'm too field artifiery (see page 149). while it wing himer exceptive .

Tune. The shoulder strans are eaged with white, and on them is borne the regimental number in red. The cuffs are of Brandenburg

Badges of rank. See page .10.

Mortar Buttery.

General. These batteries will be grouped in battalions of two batteries and nossibly in regimen "

Organization and transport, -A 2I cm mortar battery

in organized as follows at war strength --Post com so , in an as South) Ricia form wagers 6- ipi sei Gun erhelon (Coschut: Staffel)-4 thing carring + Corned. 1st Lin. Transport-. H.Drs Wagon, 6-hursen

Spar ores o field gate in 3-horsed when available a

2cd Inc. Townspr. I be garage wag I supply was an I forage were } horsel

The mostly of the battery is not great, as it can only move at a walk, and is practically confined to good roads.

War establishment. The approximate war establish ment is given on page 153

Armament. The battery a armed with the 21 cm (8.27 ach) mortar of which there are severa, marks. Though termed mortars they are all really breech-loading hown Learn.

and when tring When he t" wagons replace the har in wagons

n ru , readquites in m bres

or to a second the second second

The second secon

The new 21 cm mortar has only recently been introduced . it will probably form the armament of those batteries a lotted to the Field Army, the older pattern moriars being ro at t ege iin

Ammanation is to yes the terms so I a a s h was a reason of 96, we glove

. 1 % w pracry wagons being brought years and the contract of the rate on

Laying observation and communication stores -Th. or t serviced wish the heavy field how twent so

ked to a ension the total weng t of shell cartridge and

Armament and squipment of parsonnel, or ago b Uniform. -See page 166 Badges of rank. See page 1

Siege Artillery Units.

General organization. The stege artillery or a which will be for red on mobilization will be organized in siego artillery regiments of two battalions. (Battalion=4 batteries =24 guns (or 16 how tzers.)

Several regiments will be formed together into a brigade, which will have allotted to it an artillery park consisting of

severa park battanone.* Armament. The following guns, aswitzers and mortars wd, form the armament of these inits -

1) cm, gan '0+ (mange, I1.80v yards).

Henvy 12 om gun (range, 7 900 yarne) Id on, gun (a modern gan , range over 13.000 yards).

Long 15 cm, gun , wing replaced by the 18 cm, gun ; range, 1., 200

Heavy field accritzor '02 (range, \$.150 yards 21 cm. morter (range, 8,40; yarda)

Bronze 21 em mortar (range, 7,000 yards). wen mwitz redisen werfer) +_8 : nowitzer coast defence mortar, rang 1, ms r s

C AMMUNITION COLUMNS.

General. The following aminumition columns we be mobilized.

(a.) Light attimanition columns

(b.) Heavy ammanition column's (1,) Articlery amn; inition columns.

(i) Infantry ammunition columns. (c.) Light ammunition columns for cavalry divisions. (d) Light ammunition columns of battalions of the Les v

rtinery of the Field Army

(a) Foot artillery ammunition columns (f) Line of communication ammunition columns.

The light ammunition columns are replenished by the

the military and action to act of of these 28 cm, howitzers, also that a 22 cm, lowit agroduced (two batteries of two). Seports have to you y (Angust, 1914) that ten 42 cm. siege guns have been issued, where about 12 feet in length, and fire a shell 5 feet I inch in lengt, and weightog 1 488 a 5

heavy columns, the latter being replemshed as ordered 'v rachages or free L of Co. at at a

(a.) Light Ammunition Column

This has been described under the heading of field artimery (see page 149).

(b) Heavy Ammunition Columns.

Each field artillery regiment of the peace footing mobilizes terifat y and two re lere on y and there extra-Tuese are formed into Abtechnises, each of four Artillery

aratwo from and as to Arm opportunity and biedungen forming a command under at officer called the commander of the animumt on columns, i.e., eight arts, ery and four infantry columns, one of the artillery columns bright gird when I was in rentire into two echetons (Stoffela), each of four artiflery and two tila try outins Te storons nerver h ment us and the lighting troops on the march are regulated by arcumetances.

These heavy ammunition columns are organized as follows

Arts ry In our on Some

those energies repaints and a h Burnesse w . Half column I section of I amountain wagon and I ap re-

I've don't it above way a me 1 0 0 0 W C S B 4 S 3 P

P CL V Res as Section he to the and - remagnitude

Infantry Ammunition Colonia to his in a I. Ha f-column. Seartion will a a a mar an a core

ten the same and an angent

II d Leman. and the familiar of the or married a reserve to Propriet of the whole on

in the graduation of a gradual holders.

the contraction of the done cooper at the contraction of the done cooper to the cooper wagons; reserve sention with field forge and 2 store WARODO

The war strengths and we cut of account to a private or shown in the table on page 162

(a) Light Ammunition Column for Cavalry Division.

This is attached to the horse artillery Abteilung of the cavalty divisional a significant to each and each three sections. In Sektion I and II, the sections consist of section in the second second in the s in arri arrivet to a green and a second machine gun is carried. The 2nd line transport consists of one supply, one store (field forge), and two forse was a

The wester street a t f an iti an . re a lown n to tall on page 102

(d.) Light Ammunition Column of a Battalion of Heavy Artillery of the Field A. my

The 29 yendles consist of one store, two forage, one supply, one spat is', and 24 appropriation wagon-The war aroughland at int facts to the un

shown in the table on page 162. the f. SH ANT. at 1 IEB . ATT I I ever battalion of the heavy art. Hery of the Field Arias

(c.) Foot Artillery Ammunition Column (Heavy)

The 20 vehicles consist of one store, one forage, the smiths,

and 17 ammunition wagous The war strongth and amount of an munition carried are

shown on page 162. There are two of these ammen tion columns for cry battery of heavy field howitzers or mortars with the Fig. Army

(// Line of Communication Ammunition Column.

The 53 vehicles consist of two store, one smiths', and 50 two h road am notice a transport way a Pida to a sent forward emp.y to the deployment area and is used for the transport of infantry, field artillery or foot artillery ammunition as required.

Forward or ngchar are we fan ne chart will it can be loaded, see table on page 162

GRAPHIC OF AMMUNITION SUPPLY

(Infast v	Mrl p	l'anti-ry	Heavy artidery
		Firing line,	Firing battery	Firm, backy
	No alterna	ú ()	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H u Son è
Fi il a batale				T plinted to for
12	. A	nurant	o the common	thelon.
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+71		T Low on	a implication of the	ian and trans.
F 1 13 a batt		II Foneo	a military of the control	Bitts and trains.
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K.	p	Ammunities to	Witte from home	

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A Brides House	184 178 W	18f 8t 18 18t 19 8t 18 9t 18f 37	1129 1 3N MI	40, KO ₂ 23		93 40 30
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150 may 4 A center of the off a 58 Mile and Mile

V Ex. 2 v. while have earlienes to me. 1 get fames and to see he 174 strain - 8 1 014 mg. 13 , 5,5,000 er 5,400 73 53 Composition parent tear to it a total in 3 is 13th

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163

CHAPTER VIII

TECHNICAL TROOPS

ENGINEERS, PIONEERS AND COMMUNICATION TROOM

General.—The main doties with which the British to pe of Royal Engineers is charged are divided in the terminal Army between

B The Corps of Pi users (Pronter Korps).

C. Various units of the M. Lary Communication Service (M. Little Verkehreseene).

Other segnate duties* which we are accustomed to view as engineer services are carried out as for w

- (a) Barracks and military buildings, not included under the designation. "Fortifications," by the Barrack Construction Department (Garrasson Bauwessen), a branch of the Intendantar (see varye 123.
- (b.) Survey, by the Genera, Staff

A (.), A. (i.,) and B. are distinct corps, but all three are under the Inspector-General of the Corps of Engineers and Propers and of Fortress.

Engineer and Proness officers.—The efficers of A (1) and B are on one list for promotion as d are interchangeable in the sense that an officer of proness may be transferred to the agriceers and most words. They onter the service under the same system, and their net melaminary training is identical.

* Submarine making is carried out by the Na as as as a construction

It is in their employment only that they differ, for monester have no share in purely engineer services, in spite of the fact that, in the Regulations for the attack of fortresses, the commanding engineer and commanding proneer generals appear to be interchangeable.

L ID	I WE CE	. !		- 3
	And the same of the			
	with the			4-8
		Public son	466	1,16

A. (1)-THE CORPS OF ENGINEERS.

Organization. The lutter of this o pe are -

The construction and maintenance generally of fortresses, nelviding the supervision of the telegraph, pigeon, and electric light services in fortresses, the custody of the demolition chambers in bringes and tunnels.

The officers are allotted to the various fortresses, and are expected to be acquainted with every detail of the defences and the surrounding country

Members for technical committees and instructional

For adm.nutrative purposes it sidv.ded into four Prissian ad one Baverian "Engineer Inspections (or, as we should s. Latirits), each under a major general. These five "Engineer Inspections" as sub-divided into mine "Fortress Inspections," each under a colonel or Leutenant colone. assisted by an alpitaxi.

Eac's fortress is in charge of a major

In war the officers would be employed in sieges ar 1 1; the defence of fortresses.

Ti are i men of the engineers.

Uniform, for a to to week a p to a self-rong see page 08.

(i. Hark Bide I sufara

none Back tone tune with mack velvet color a vacc smalled with two silver bands, and silver spaniettes in

Saxon agreet officers, who wear dark green tunics with scarlet -plan at fis - ver betteus

I we rea - r y, with black veivet co ar patches edged with scar r

Tressers. Back with scarlet piping Postalooss .- Dark blue, without any piping

Breat-a ray, Helmet with silver badges and white horse-pair the Frage cap, dark hase with black volvet and and scarnet w real renown and top and bottom of ba a.

neo none nes se de se el fre de la compania de la presenta del presenta del presenta de la presenta del presenta del presenta de la presenta del pres -24 ILP

Brots Kuce, r keer books at - garings Cones. As for . fa try

(II.) Freit Service In John

I sear form is the same as that of the infantry one page 112) with he fe wang austinets a marks -

. Three are velvet order intenes edged with searlet, cours are cuff ges with sack velvet, silver buttons front of tunks siged

Cap.-Isand of black velvet, with scarlet welt round grown and top an bottom of band

Badges of rank, -See page 110.

A. (b.) -THE CORPS OF FORTRESS CONSTRUCTORS

Organization. The Corps of Fortress Constructors consists of

The fortress construction officers (raptains, heatenants and 2nd houtenants), of whom there are about 165

The fortress construction serjeant-majors (Festungsbau-I'l Irreliel).

The staff serieants of fortifications Oberwallawater and

The carrier pigeon personnel (Brieftauben Schirrmeister).

The personnel is drawn from qualified non-commissioned officers of the pioneers, who, before appointment as Festungsbaufeldwebel or Wallmeister, must undergo a special course of ed cation at the Festungsbau and the Wallmeister schule. I DSDECTIVE V #

The Festungsbau feldwebel is a man of superior education. and can eventually be promoted to Festingsbau-lentuant whereas the Wallmanter can never be promoted to the rank of officer

The personnel is employed as follows :-

Peace. On fort. Scation work generally At headquarters with the Engineer Committee, the General Inspection of the Engineer and Pioneer Corps, and the School of Fortress Construct on

Service in independent forts is the most popular. The duties comprise electrical works, fortress telegraphs, and

pagaon post

War .- The corps generally remain in their fortresses, except some fit wis and f remen of works who take the field with siege corps and work search lights. The personnel on deth at a war a of the aspessal facto Inspector centeral of the Engineer and Pioneer Corps, and can be ordered

Uniform.

(1) Dark Blue Uniform (see Piace 12).

The uniform is similar to that of engineer and pioneer officers, with semo : fferene a f ! fail , 7

Epathettes are worn, except by Wallsender, who wear shoulder was 1 to his Product Wallsender, who wear shoulder was 1 to his production and the same was a second for backets and letters F B.O. are warn on the spoulettes and shoulder straps

Lowe or a law vels dar patches there are the great as a tyrey to with red piping and C BUIL VE BOOK OF

and more one as or againer officers, but without plums

Carras a staginger officers, with black velvet band and scarlet

(in , Field Service Uniform

Badges of rank.—See page 110

B .- THE CORPS OF PIONEERS.

Peace organization.—The Curps of Pioneers represents t & British (of wer) and s, bridging trains, and fortress

^{*} Ses page 218, "Military Resources of the condition of the contract of the co

cumpanies. It commits of 35 battalians, I experimental

		sittalic	пвила		narch.ig	ht sections.
lavali	1	17	11	3	12	1
May 15	-	1	4	9		
Wiattemberg	- 1	75			13	4
15 4 3	es la					
I'c fal	35			26		

Pressur furnishes the agreemental company

One battalion is allotted to each Army Corps except the Ist, Hird, Vtb, Vilth, Vilth, XVtb, XVILb, XXXth and Hird Bavarian Army Corps, which have two escn, forning a regiment with regimental staff under acquired.

The head of the corps, as previously stated, is the Inspector-General of Engiteers and Ploneers, who is assisted in his luties by four Ploneer "Inspections," each under a major-general. These latter "ficers are responsible, to for the tech tail instruction of 7 or 8 batta, one seen, but for purposes of discipants, general ten may good and the proper battallous are under the "bre-" the constant of the Army Corps to which they beaug. In sence such battains has 4 commander, numbered 1 to

4 except the 1st and 3rd Bavarian, which have only three each

Peace establishments. The peace establishments of

pioneer units are shown in the table on page 170

The total peace establishment (1st October, 1918) of the planeers

RSC of tens.

the first parameters as the parameter from this first parameter from the first parameter first p

* 26 att sops and care and on a search igh service after so

War formations.-Ou mobilization a pioneer battalion normally forms-

(a.) A battalion staff, which joins the staff of the Army

(b.) 3-5 pioneer field companies, 1 2 being permanently
attached to each division and 1 kept at the disposal
of the Army-Lorus communities

(c.) 2 divisional bridge trains, I attached to each division (d.) I corps bridge train with a special detachment of Moneaus

Certau lastalons will mobilize detachments of ponsent to accompany the ears my divisions, and field and fortress-save hight auchains, while other battalions will form ponsent sept trains, and species, fortress and sego mire organized in regiments of 8 or 3 hatalions. For example, the 18th, 34th, 19th, 20th, and 35th hatalions, (be 2nd piener latter one of the lat, VIIth, XVH, XVIIt, and XVIIIth AFRS (Crypt), whose headquarters are respectively the fortresses Kangs org. Mitseler, Strasburg, Metz, and Ma. w. u. day probably be employed as fortress poincers.

If specially required, a heavy Rhine bridge train will be formed

Strengths of units. The following table gives the peace and approximate war strengths of money units

1	Full st		1	94	66	=	
mat. p	дования.	7:	5.	靈	i.	-	138
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24 10		ıÇ.	
Paren aree 3 %		Exp. , tal	elle i

A second control of the control of t

Pionear Field Company

Organization. The field contranty is organized in 2 sections, but that, quite recently these sections were not "self-contained," as the loads on the company vehicles were not a stributed with the sections organization in view. In the latest organization provision is made for three 2 horsed and one 4 horsed proper store wagons (Gertiseagen), which the strip one set distribution stores and other to late it, be loaded, thus enabling sections to be detached on independent wagen.

Note adding material is carried, the whole of this being concentrated in the divisional and Corps bridge trains. There is no mounted brane.

Transport. The horses and drivers for all pinter transport are furnished by the frais.

The 7 vertices are tured 2-borsed at 1 one 4-borsed pronoun story suggests, 1 language wagon, 1 supply wages and 1 feet kitched, the last 3 verticles being at 2-borsed and forming the 2nd of them at the 1 page here.

Armament and equipment.—The armament and a signer to the field ploneers a blo same as that of no inflastry see page 10s., and to find the signer with saw backs.

For the nature and number of tools carried, see Appendix X. Dr. 10xm. For rules as a sea age in lark so

Deck to a given see Pate a 1 a

The ficers wear the same uniform as engineer officers see page 15.)

Time. Dark olin (Saxons, lark green) tunte with black collar and see \$1 pt or sevent soften unlike risk as to a the black, whose deams Gaar product a visual to at an action of dark and suffer, and no number on the second to the second collars.

Literatur. -An for engineers (see pag. e. ...

Pan a const Dack blue, with

The st o all applicant as her last

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for I to y with the same shouldon upe a e .

In as Know for mounted men short volume(on for last average)

Begon on a As for infantre

(it.) Field Service I reform (see Plates 33, 54, 85, 87, 89, 42 and 46.)

The numbers is the same as that of the infantry (see page 112) with the foreward of the same as the same

I with—Southt piping on front and skert and remail the shoulder rags, on which is the butter, on number in red (except for Guard one-ra). Dad telete butters with crown. The sollar and cutts (Rwetafe pattern) are edged with black piping (the Guard pienwest lave, in addition; white time brashing (Litera) on collar and cutts), the efficer at tune, has no collar packed (except in the reas of Guara.

pioneors, who wear black volvet collar patches with silver and (Litzer) on them and on too cuffel, silver battons and black volvet piping on dollar and cuffe. Scarlet piping on the side seams.

Transers and pandologs. Scarlet piping on the side seams.

Cap. Band of back cloth (officers, black ve.vet), with scarlet waits

Badges of rank, -- See page 110.

Divisional Bridge Train.

Organization. The divisional bridge train is composed entirely of personnel drawn from the train. It is attached to the poneer field company of the division, and is under the command of the officer commanding that company. On the narch the latter officer detain one pioneer for every vehicle of the bridge train to look after the bridging natural.

The avisional oridge train is organized as follows --

b prent on the day

forner was

So to describe the second of t

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1 despec
1 to spec
1 to segre
4-housed

Vehicles and equipment. The 15 rs, ear as see of an form construction, are provided with the see and see, ranks and have a welfar much of 45 terrors.

14 THE P.

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A ore paneotte on get		- 21	
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And then the			
Spa as age Bail ropes and lashing	8		0. +
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to a minton wagons war marry ter mores

Pentoons. The positions of the divisions bridge trains are of navariated and navariated. The now please differ from the contraction of the district of the dis

Corps Bridge Train.

Organization.—A Corps bridge train is composed of a moneer detachment and a train detachment, and is under the command of the captain of the train detachment. It is

organized as follows	
Si	ter t)
1	sales de ser
1 medicas	office
white	
[voteri a	av die r
ar DK 8	i i e
1 4 4 4	
1 B It column	II h executa
N. Sermin	No 3 Section
1 2nd anatonant-	1 2nd-ne denne
2 rank and ILa.	26 yank and til
gr pg Yellergi.	r orgon
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V. 2 Secretary	No. 1 Section
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By the Whichle	
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1 demonition (expres	
, buggage wagut	
1	US-THENS

* The state of the present pacers per see a too we page a April 1916.

1 ipply wagen.

The above regarded october to the train : the proper detrolment is domposed as foliows -

4 officers (both mounted). 61 other ranks 2 privates of the train (pre I mindies, uniter-off .. On the march the men of the pionoer datas) to the men of the pionoer datas) to the men and entrepoling tools on the march and the men and

Vehicles and coulpment -All the by Is - por f bridge train are loaded with the support (per accept re-t to feet structure for one complete bay, there are the pontoen and treatle wagons out the grant to a st.

The equipment carried on the ry author yell of the Appendix X, on page 316.

Pontoons. - The pensoons corrued by a Corps aridge " " ga vaniged ateo, whole noutoons, 267 feet 100g, 4 feet 11 u-u ga whitele also whose pointones so reet long. 4 feet 11 who a and 2 feet of inches deep internally begin a war and 1 feet of the same as what of page 75), and they have the same as mapped and the the same as mapped and the same as the same as mapped and the same as the sa

Fog 197, and wery move sun some stance of the Bridging capacity.—Norma g a so words of 1 at a so the word so f a so that so the word so f a so that so the word so that so the word s strongthened by doubling the bank range range the army mechanical transport trai wheel of tractor 8+ tone) the bridge must go ones ton the number of postcons required for norms bel ban ks is increased from five to nine and the cha + , ar

This type of nearly bridge may be used by in a mant any catransport trains across rivers with a a long and xer og lag. The bridging capacity of the di is stal a t true range tra as

as follows :-

oridge trains.

Nature of bridge train Light Normal, Heavy 1 Divisional bridge trafn | 44 8 1 t, rps bridge train | 189 a -51.6 8. I Corps and 2 Divisional 257 0

The perton againments one senses as cofts and from helcanable of ferrying seavy guns and army mer suica, transport,

Pigneer Detachment for a Cavalry Division

This detuckment (Propier Abtaland einer Kavall v.e. Berusian) consists of 1 officer and 33 of other ranks, with 6 horses and one 4-horsed cut turnent and store wagen

The mon would probably use Lieveles or be carried in reot set oned carriages. During mangeuves 2 b. lder-s. ted wagons, with 2 horses each, sufficed to carry a detachment of the above strength. The uniform and economent are the same as for field companies. The tools and explosives carried are anown . 31 1 1

Armament of Personnel Farriers and drivers and maker Bisto, and arti lery sword, russander, '68 earnin, and sword havonet

Field Searchlight Units

In addition to the above, searchlight anits will no doubt. be inc. ided in the Field Army on mola izat on. The party It was not not been already to a least to proper patteriors (26). The neare establishment of these se t. " s given in the table on page 170, and the war estabaskment is probably very single

The technical equipment comprises both ...ght and portable Beareninghts. The first tore of last masts which can be revolved horizontally about their w tx. a a 4.80 in a vertical plane. The projector carriage has seats for two men. The dynamo is carried on a limber and in driven by a 6-h n. motor the e are seats for thee +1 on the lumber. The total weight behind the team (6 horses) is about 35 cwt. For fuller details of this equipment, eec page . G. P. D. or Free M. A. S. Ch. T all the collection of severe

They are F to harris sem w to 30 to T laters Heavy Rhine Bridge Train.

F r special purposes a Heavy Rhine Bringe Train will be formed, composed of train and pioneer detachments of the straugths shown on page 171. The equipment of this train consists of bipartite pontoons with air-legged Belgian

tres as The velo les constat of 98 pontoon, 10 trestle, * saure-transom, 2 anchor, 2 tool, 2 store, 1 demolition, 1 supply, and 2 baggage wagons. Each pontoon wagon carries a half pontoon and the superstructure for half a bey Sufficient material for 365 yards of heavy bridge is carri-The equipment of this bridge train is maintained by the XIVth Army-Corps up peace time

Pioneer Fortress and Siege Units.

Special fortress and siege formations will be organized as process of the state of the sta A proneer siege train forms part of every siege regiment, and consists of park companies and a train column. It is equipped with entrenching and other tools, building storming operations (see page 316). It is organized in 2 echelous the first containing principally entrenching tools and the second storming material

Fortress searchlight sections will also form part of the propeer regiments, and will be detached from them as required. The technical equipment will consist of heavy search alt (90-em, pr et is.

The approximate war strengths of the siege units are + .. wn in the table on page 171. The armament and aniform are the same as for pioneer field companies (see page 172).

(c) THE MILITARY CONSUMERTION SERVICE

Organization. The whole of the communication services I the Army are under the Inspector-General of the M.litary Communication Service (Military Verkehrussen) II. Berlii The Communication Troops (Verkehrstruppen) consist of

- I. The Rallway L. Gods.
- 2. The Telegraph Troops 3. The Airc aft Troops
- 4 The Mechanical Transport Troops
- 5. The Experimental Detachment and to gar

 - The Gar ison Comman cut a three of I rouses

! The Railway Troops.

Peace organization. The railway troops are mider the Inspector of Railway Troops, Berhn, and are constitute as follows --

- Pressin 2 railway a s " sa 1 troffic so to Survey on vaged a one stetut, it subtains William I the same and a second of the
- favoria 1 m has ton

The 1st Ranges be god a sate of a Berlin, on i cornists of Railway R will ent No 1 Re way Batta ton No. 4, the Military a (traffic section) and a Depor re . w . . . TI 2nd Railway Br gage mate on at lune as and consists of Railway Regiments N & 2 and 3, and a Depotrer on any The traffic section consists of a staff and 3 companies, and the regiments each of 2 battanons of 4 sage, es e. The battalions are num sered lat and 20 1, and the companies I to 8 within the reg

The 7th and 8th Companies in the 1st k - seit and a smal, portion of the traffic section a. . furnished by Saxony One company of No. 4 Railway Batta ion is for a shed I

Warttemberg The Berlin Juterbog mustary ration is worked by the traffic section, and this one is available for the instruction of the railway troops.

The Bayar an battalion is comp sed the staff and 3 companies , it is stationed at Munich and is under the Irigin to of Railway and Telegraph Services, Manich

Peace establishments, -The in wig and de sence astablishments of Prusian railway units

or a representation of the present the contraction of the presentation of the presentation of the presentation of the present the presentation of								
T asst	W 14	Mortage Rose II	N Ow an	soan Fi				
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War formations. ' a lway bar tal er a . h co. th a jet y no. and the rompan - "t + April t

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re and crown and top him as Badges of rank w p. 1

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2. The Telegraph Troops.

Peace organization,-The telegraph troops are constituted as follows

Pragain 6 telegrapa buttahous 7 fo to a compani compani

 $T = \frac{2\pi}{\pi} \left(\frac{\pi}{\pi}\right)^{-3} = \frac{\pi}{\pi} \left(\frac{\pi}$ Wife a xi to a rea to the total total

a se the and Sru at Danaig). I be normal atta ion . aff and a companies the 4th any fith companies being wireless companies. The bound is a are

Bor to, Musster and Zeat and Saxon't

The second secon

THAT I OSTABLISHMENTS OF TELEGRAPH UNITS

sec in a three of

the regiments to a

The officers are most v drawn from the engineers and pioneers, and some from the infantry and railway troops

War formations.-On a obdization the following doits will be formed from the te egraph troops, each unit consisting of a detachment of telegraph troops and one of

(a.) Army telegraph detach te

(b.) Corps telegraph detachments.

(c.) Reserve division tele, uph detachments (d) Wireless tolegraph detachment-

(a) Telephone detachments.

(f) Telegraph, detachments for loss of countuments is and seige and fortress telegraph units as required

The following table gives what it is honeved will be the war establishment of some of the unit-

WAR ESTABLISHMENT OF TRLEGRAPH UNITS.

16: 10E

03 . 0 . . 8 161f Corps telegraph letnoument.

Ep. 17 (66) 16 2-вотява шалеги and sidre warous: 4

+ Partly telegraph and partly train trung

^{*} at a proposed to replace this by a ... I want to be

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. nst wasp.	8	3.	1	от с в от в от с от с от с от с от с от

(b) Corps telegraph detachment, - This unit is a gamzed in second field the plant of the provides communication between Army Corps Headquarters

and Army and Divisional. Headquarters (when this latter has not been effected by the telephone detach nents). It is more mobile than the Army telegraph detachment, being pro-

Each section carries 3 field teograph spiratus, 9 telephones and the necessary batteries, also 13% mass of insulated field sch.e, 12s miles of hight insulated wire, and 3 miles of bare wire. It can law! I miles of him (e 60 for the whole unit) at a speed of 1,100 yards in 30 m.mites, and can catabilish 2 to 3 stat ons for simultaneous Morse and telephone traffic mud 3 telephone statings in addition

All the men of the detachment can find room on the material wagons (Materialismicagen) for rapid transport

(a) Reserve division telegraph detachment. This unit practically corresponds to a single section of a Corps telegraph detach

(2) Wireless telegraph detachment. One of these units a allotted to each Aruv Of the 8 stations, 3 are reserved for Army Headquarters (one always open and one following the leadquarters when it moves), the remander head their buted among the Army-Corps and the eave levidisis

The radius of action of a citien is from 00 to 120 miles, the time required to erect for rismandle a station is about \$1.000 miles and the rate of remainson 400 words per hour. It is believed that the Telefinides system has been adopted. The plant is at present carried on hisbers and wagoos (similar to artilary ammutation vehicles) drawn by \$2 or \$0 heres. The question of the provincian of motor transpart for field

w reless plant is onder: ...dr (e) Telephone detachment. Telephone detachments will probably be allotted to the headquarters of Army-Corps and divisions.

The Jetsement is organized in 3 squads (Trupps), each consisting of 1 mounted telegraph non-commissioned officer and 5 or 6 men, the whole detachment being under the remand of a enter sub-

Each squad carries 5 miles of telephone cable and 4 delephones with hatteres, t-see stores are carried on at the start of the squad can be started as and results of the squad can catables 4 telephone station.

11

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A		e al		
Factor P				

The mater and and some contributers. The sank, is were instead of the

(il.) Field Service Uniform (see Plates 94, 42 and 11

The field service actiorm is the same as that of the railwa tr pa of a second second second is wort sustant of a admit A so Lo wray That ghe to astono a c t T de era s these five buttilions to not wone or lar rate. ---Badges of rank. Nor name 1.8

3. The Aircraft Troops

Peace organization. The arreraft troops are divided into surships and flying troops, under the Inspector* of Auship Troops and the Inspector* of Flying Troops, respectively, and are constituted as follows -

_	A.P. Tro s	rang Troop-
Pensa a	Part of the Service	Bo Hot
S. x s Wilritemberg Bayaria	, 1 company -	F s T

[&]quot; and these Laspectors are under the Inspector of the Military A rent y Mo. and on Transport Services

With the creation of the flying battalions, however, the rganization has been largely decentralized. Doperitz as still the readquarters of aviation, but the parent school win be relieved of muon tastructions, work

Airship battalions and dirigibles, -Airship Battalion No. 1 with draught horse section is quartered in Berlin attached to it a the Aircraft School, at which 15 officers of all arms are trained annually. The course lasts for 1 year

Airship Batta ton No. 2 has its headquarters and one company in Berlin, one company in Königsberg and No. 3 (Saxon) Company in Dresden. The workshops for the purposes of construction and repair are in charge of this batta or

Airsh.p Batta.ion No. 3 has its Leadquarters and one company in Cologne, one company in Disseldorf and one company in Met.

Airship Battanon No. 4 has its headquarters and one company in Mannheim, one company in Metz, and in Lahr and No. 4 (Wiirttemberg) Company in Friedrichshafen

Airship Battalion No. 5 has its headquarters and one company in Grandenz, one company in Konigaberg and acin Schne den. 51

The Bavarian airship and mechanical transport battalian consists of one airship and one ribinity, a spet on pany, and is stationed in Munich. The flying battalion is stationed at Ober-Schleissneum. These are all Loder the . savarian Inspector of Mustary Air and Merbanical Transport Serv res.

The airship battalions are primarily intended for the management of balloous, ordinary and dirigite

The distribution of the mustary airanips is given in the annual "Report on Aeronautica, Matters in Foreign Countries," 'ssued by the General Stall

The Flying Troops and the Döberitz School for Aviation, -Until 1912 the only and tary organization dealing with aviation was the military training school for aviation (Lehr und Versuchsunstalt für das Miluffe Flugwesen) 1. Doberitz. Experiments with aeroplanes are carried out at this school, and a certain number of officers have been trained there, but the greater number are trained at private schools, a.g., by the A.batros Co. at Johannathal, at the Bylation school at Graba and e sew .

man to a most har a

The fixing battalions or 4 n aumort and are stationed at Do scritz. Posen, Cologne and Scrissburg, with detached opanies at Zeilban (Saxvi company). Graidenz Kongs ner. Halover, Darustadt, Metz and Freiburg i b

PEACE ESTABLISHMENTS OF AIRCRAFT UNITS.**

War formations.—On mobilization field balloon detaraments and gas columns will be formed, but the number of control in all lows an addition it is anterpated that a same rid as I we sate will be formed

as a day for a series will be rother establish-

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that your a term a care nits.



Field balloon detacament F s nt our beautiful and the section. Nt Seet I see a section of the se

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Gas column The mit to sale if the sand i'm of the tot, good was alterious far part to apa Is my st pre an expend the first e feel at orn detectioned is regardine as and retained It carries tweeters of vi a und a sorth barron The voluces are rga as not what can is

Airship detachment. One of these tack ments wan be in stad to ene . . in la hal can I are est tos, con a lot hat we, as the accept the low, wall consist the hav gabing sector as eaguer se as a aid a section for

No har a rectary was sede at I represent Flying detachment Aran er f flying detachments was wat I have a me to bett a as to their organ catton Lave been published

Transport In the sport of the many to the 10 " 1 " " I X agr out or rid " beauter 1 etta be o page 18' in the page manage one forms one of the

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The fitter of the second as at the man other than the fitter of the second than the second than the second terms of the second Loss attaches a constant and a second and

B. ABSOR 4. The Mechanical Transport Troops.

Organization Task troops (he have an wall re ', er t I spe to of t a Williamy America and Mechanical Transport Services (see page 94), are organized in a batta.con consisting of 4 companies, me, uded in which are Saxon and Württemberg detachments. The Bayarma method and to separt to spear could red with the land and arrah.p troops to form an A rship and Mechanical Transport Battalini (sel a INC)

PEACE ESTABLISHMENTS OF MECHANICAL THANSPOLE PRODUCT

Ŭ*s§A	Officer	Medical m range, po as ra	Oc 19
The Mechanical Transport Ratio per The Saxon Detacament T Wire case of the con-	Th.		10%
Potal (exclusive of Bayarin raque	- AF		-

The Mechanical Transport Battalion (Kraftpakr-Bataillon) is stationed in Berlin, and forms a training centre for medare plan nearth day a day a dation to a tigat

water farmer and traffic was a relation er at the total Fither tere to With the state of white literary to Freely't make and couldn't be blocked profit or will.

Army mechanical transport train. The main particulars of

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Uniform a mark a mark 81 v 4 diletter finaper a

5. The Experimental Detachment and Experimental Company of the Military Communication Service.

Organization . Fys 1 15 c ts viae deately under the Inspector-General of the blu tary Com-I the or Sent al. . . . f 21 Means, " novementers, I retired officer, and 9 ther ranks. It is divided + + 3 wests . . List a litara . . . el grupes a l'arguallas, and sircraft respectively,

At the hisposal of this detachment is the Experimental Course the 2 dool or ar softe rouse

Uniform. - As for rallway troops (see page 181), except to at the

6. The Garrison Communication Officers of Fortresses. In all the larger fortresses, e.g., Metz, Strassler : 1 gae, Mainz (Mayence, Konigsberg, Thorn, Grandenz, Post. Newbreisach and Germershein, there is a h cilier of the communication troops we remark to

r s le ur 14 or

The same not seems, tors

the whole of the military communications of the fortress. He is known as the Verkahrsoffisier vom Plate, and is on the staff of the Governor of the fortress. He is, as a rule, assisted in his duties by a subaltern and a few warrant and non-commissioned officers. All fortress communication fficers are under the Inspector of Fortress Communications who, in his turn, is under the Inspector-Genera, of the M.litary Communication Bervice

The most important of his duties are—the maintenance of the subterranean electrical communications, the training of the personnel for these communications, the superv si r i the wireless installations and optical signaling dialice ments, the maintenance of the girdle and other ranways within the fortress. These duties are carried out by the Fortress Engineer Officer in those fortresses where there are ample cation of cars

The peace establishment of this branch is (1st October, 1912) 7 field officers, 9 Leutenants and 31 warrant and noncommissioned officers

Volunteer Automobile Corps

1 Volunteer Automobile Corps (Freiwilliges Automobilkorps) was formed in 1904 under the direction of the German Automobile (%1).

The main points in the statutes of the corps are as fol own

(1.) Unly hand fide members of the German Automobite Club are at present admitted, by invitation of the President. They join for a period fixed by then

2 , 1 rus includes members of the club who are not 1 Sarily Reserve or Landwehr officers, though configuration multary authority is of course demanded, whether the member is a retired Landsehr or Reserve officer, or a civil an pure and

(3.) It is at present restricted to Prussia and Bavaria and it is expected that Saxony and Wilritemberg will gradually join in

(4) Each member of the corps must be a German subject. must possess a good motor car of not less than 16 h.p., together with a competent native-born (1636)

chauffenr, and must, besides being physically fit, be in possession of an official certificate as a good detect.

(5.) He must undertake to come up, when called upon, for war service, and in peace time to attend, during a period of 4 consecutive years, at least three outugs, not exceeding 10 days each. If a Reserve officer, thus exempts him from his annual training.

(6.) On the 1st November of each year the corps has to and to the Prussan War Min.stry a list of members available for the forthcoming year, giving details of persons and machines

(7.) The members will be distributed as evenly as possible between Army Corps likely to make use of them

(E.) Each member will receive an allowance of 14 15s. 0d per day whilst on duty. This represents 14, for un-keen and 16s for pay

(9.) A spenal uniform beavant designed for the corps, consisting of a year-sub klake tunic and trouses, with red collection and badges, and yellow notes for action and the spenal to the spenal to

(10.) Prince Waldemar of Prussa has been appointed Chief of the Corps, with the secretary of the Automobile Club as his Chief Staff Officer

The corps now numbers over 60 members, some 50 of whom are usually present at the Imperial Managuvres.

Volunteer Aviation Corps.

The Prussian War Munster has assented to the formation of a Volunteer Aviation Corps on the lines of the Voluntee Automobile Corps, but the corps has not yet been organized (October, 1012).

CHAPTER IX.

THE TRAIN.

PEAGE ORGANIZATION

General.—The train was reorganized in 1912 and now consists of two entirely separate branches.—(a) the train regiments (personnel), (b) the train depôts (matériet).

(a.) The Train Regiments (Abteilungen).

Organization.—On the 1st October, 1813, there were 35 of these tegements (19 Pressant, 8 Saxon, 1 Wurtenberg and 8 Ewarum). They are merely cadres, from which in war the scupply columns and supply parts, the field bakery columns, the baser compunes, the field hospitals, and the reamount depths, are formed. A regiment is allotted in peace time to each Army-Corps, and furnishes in war all the takin services for that Corps.

A train regiment is organized in 4 squadrons* and has a peace est. Misanient

19 / 0 %

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propagations and assistant paymenters.

Train Commands.—The Pressian train regiments are divided up as follows into 6 train commands, each under a train commander with the rank of regimental commander:—

. . S. or Train Regument as Susquadrons

t a son a A . Hand 17 Train Regimen a have approximately a constant as the con

t I obdes .0 officers charpers a. 163 r and was (1636)

Inspector of Train.—The 6 Pression train commands are under the Inspector of Train at Barlia, who has the rank of brigade commander, and a numediately subordinate to the Emperor (see page 94).

(b.) The Train Depôts.

Organization. -As is the case with the train butulous, or a in depth is allotted to every Army-Corps. The Present tunin depths are grouped together into 2 train depth directorates (Driektonea), those in their turn being under the Train Depth Impactor with the rule of Drigade monunder. The Train Depth Lispector is under the Mastate of the Ordange (Pollosumental on mon 86).

& a train depot is commanded by a captain who is assisted by another cartain or a sub-litera

Assumed by another, explain or a sibultain No. 1 Train Depôt Directorate, at Revilu, comprises the train daplies of the Gund, Ist, IInd, IIIrd, Vih, VIEN, IXth, XVIII and XXta Army Corps. No. 3 at Cassel, comprises those of the IVt, VIIth, VIIIth, XKh, XICM, XIVth, XVVIII. XVIIIth and XXIst Army Corps.

Peace establishment of the Train. The total peace establishment (1st October, 1913) of the train, the daing the detachments furnished to other branches for granght burnerses in

Fig. Offices 4

Fig. Coll. Col

WAR ORGANIZATION

General.—On mobilization the train battalion of each

(1.) Drivers and herses for the 1st and 2nd line transport trafechts-business-transport all fiel anni-

(2.) Drivers and horses for the autumnt of all field and formed by the artillery, and for the gas columns balloon and author detachments and bridge truns formed by the technical troops.

(3.) All actual train units such as supply columns, supply parks, remount depôts, field hospitals, field bakeries and bearer communes.

Train units formed on mobilization. For the formation f the units enumerated in (3) each train battal.oi. I the peace establishment expands on moli ization for each Army-Chres into-

I Units with Army Corus.

() Tw. true wata ior s, each I will forms (with p y columns (Promanticolomen), three supply parks (Feet, with the lamen) (the Halb attains forms four supply parks, making seven in all), one remonat depôt (Pfordetepot), and was find nonexital (Fédicalements).

s.x ne.d nospitals (reddissistation)

(a) Two field butteries (Fuldbuckereikolonnen) and three
bearer companies (Santutskompagmen), the last named being

II Lane of Communication En to

(h.) Three field train companies (Feldtramkompagnien) for the manning of the line of communication depôt supply park (Magasin Fubryarkkolumen), or of any supply parks formed specially for each Army.

(n) Six line of communication supply parks (Etappen-Fuhrparktolonies), of which four or five remain at the parks

of molnization antil further orders
(iii.) A line of communication auxiliary bakery detach

Inspector of Communications of each Army

ment (Ruppen-Hilfstäckerabtedung) to supplement the line

Certain train hattainous of the peace establishment are so detained of large from the flattain action, seeker this depth supply comman, remount depths, and train columns for training a depth of the flattain action as a first flat flattain columns for training and are of communication telegrispid descenaes

(Etappen-Telegraphendirektionen)
All the above duits (II) come under the orders of the

III Reserve Units.

One Reserve train battanen for the Reserve division formed by the Army-Corps which forms 2 supply colu. ..., (1636)

IV. Depat Units.

One depôt train batta ion (Train Essatistration) of 3 companies, a detachment of artificers (Handewskerubisticus) and a central remount depôt. The battalion is responsa de for the supply of equipment, presented and horses to the train rute of its own Army Corps of the Fired Army.

Organization of train units. The train units mei red in the preceding paragraph are organized as follows

Supply Column (Proviantholonne).*

There are three kinds of supply column, vis. (a) the 4-horsed, old pattern, (b) the 4-horsed, new pattern, and (c) the 2-horsed

(a.) The 4-horsed supply column, old pattern, is organized in 2 sestions. No. 1 Section consists of 2 subsections (SA lones) cach of 6 supply waggens and 2 reserve wag. N 2 consists of 2 subsections as show and I subsection of 3 supply waggens again. Total 29 waggers.

(b) and (r) are organized identically in Z sections (each consisting of 3 subsections of 6 supply was 18 say) = l x reserve of Z squadron laggage wagons. Total 38 wagons.

The supply columns are numbered in each battation, thus let Supply Column, III Army Corps; and the 6 together carry about 4 days' rations for the Army ()

On the wagons is carried a small proportion of scove a pickaxes, and hatchets.

Supply Park (Fuhrparkkolonne).*

A separation and the separation of the separation of the separation and the separation of the separation addressed addressed and separation of the separation addressed and separation of the separation and separation of the separation and separati

By h park is numbered as above, and can carry about 1 days fool for runn, most for dar r land for se, or for 14 vary large for the transfer of the large for t

> g⁴.....

On the wagons is carried a small proportion of shovels, pickanes, and batchess

Remount Depôt (Pferdedepot).

A remount depat is organized in 2 sections and a reserve. The transport consists of one 2-horsed squadron large wagon and one 4-horsed forage wagon on which are carried a few in vels. pickness and hatchets.

For the war estab ishment (acc page 54.)

Field Bakery Column (Feldbackereikolonne)
A field (or Reserve) basery column 1- organized active
sections said of three abbections (Sectionse)
As extendibuted to the section of the section
store wagons. There is one 4 noved receive wagon. Total
50 wagons tee page."

In one day one column can hake sufficient bread for one division (\$\frac{1}{2}\$ d.yision if the column has to move during the day).

Field Hospital (Feldlagarett)

See page 206

Bearer Company (Sanitatskompagnis) Ser nace 20:

Field Train Company (Feldtrainkompagnie).

This unit provides the personnel required for maining the depth scope, parks (Majazan Full-parkkolonnen) which are microvised in the concentration area.

Line of Communication Supply Park (Etappen-Fuhrparkkolonne)

This is identical in strength and organization with the aupply park described above.

Line of Communication Auxiliary Bakery Detachment Etappen-Hilfsbackerabteilung).

This improvised unit has no fixed establishment or or gail zation

1636

^{*} occ pap o sis to a

War establishments.- The approximate war establishments of train units are given in the tables on pages 54 and SA

Armament. Officers and warrant officers are armed with the cavalry sabre and automatic piston, '08. The majority of - n ararmed with the '88 pattern carbine.

Uniform. For rues as to the wearing of the 'dark blus" and fi had no mass ser page 198

Inche the on form (see Plates 10, 15 a 1 ...)

Tame.- Dark bose tunio with light blue collar, cuffs and shoulder H ; Saxons, light blue with back codar and cuffs, and aget bl . shoulder straps, siped scarlet. The number of the battalier a degh a take

Latenka, Grey, with light blue coular patches

Promoter In the Burger Street of the B · · · · · · · · · · · Dark bug-

t . I-dress. Black polished seather helmet with white plame for nor Battalon back for remain ler except the Saxon train 12th and 19th Hattations) which has a spiked beomet a L _ I -e c F care car of dark bine cloth with _ph _ and _ xxons wear

agel upo or nek of all on I was a

Bug a 19 Fat to a same more contract George sant - Busek, except the daxon train battalions, which are as

for oniversers Bests, White, except the Saxon train batta.tons, which wave

Books.-Mounted nun, knee; dismounted, short Welling on

1. Fold Service I refers (see Plates 34, 55, 58, 39, 42 and 46).

T at the is the same as and of the offer the eace page 1.2 wat the F a syste liber to commen

Taxed. Scar. a piping on front and skart.

The colar ones (Swedish) and shoulder straps are edged with gl. b the shoulder strap bearing the number of the Army-Corns . r Gart T . But an a obt as ent a late on count and onfis and no distinctive mark on the shoulder strap).

Dis. Waite-metal sections with grown. I a s was post our Scarlet piping on the smark a isfor Ballef at a while there with and every

Badwes of rank & see les

CHAPTER X.

MEDICAL AND VETERINARY SERVICES

ARMY MEDICAL STRVICK.

(For further datasts the "Handbook of the Medical Services of Foreign Armies, Part II. Germany, 1908." should be consulted.)

The Army Medical Service in Peace.

General organization. The Army Medical Service conents of -

(a) The Sanuetts-off verkorns, or corns of medical officers. (b.) The Samults officer diensituer, or retired medical officers holding appointments and medical men serving as one-year volunteers and as surgrups of

probation with warrant officers rank (c) The Sanititemannschaft, or man especially trained and transferred from combatant units to the Saututs

(d.) Militarkranke wirter, or men enlisted direct into the

Sanstatskorps. (c.) Krunkentrager, or stretcher bearers of regimenta.

establishments. (f) Apothecary officials

(a) Quartermaster offic a.s. (h.) Army nursing sisters.

Director-General.-The Army Medical Service is placed under a director-general (Generalstaburst), ranking as a houtenant general or major-general, who is also director of the Army Med.cal Schoo. (Kamer Withelms Akademie fin dus Militarerstiche Bildungaresen)* Bernn, and nead of the Medical Section of the War Miristry

[&]quot; See page 212. " Mintary Resources of the German Empire, 191, "

Medical inspectors.—Under the director-general there are five (Prussian) medical inspectors (Obergenevalant und Samitits-Inspektour). The five medical inspections are situated as follows:

No. 1 at Posen for the 12nd, IHrd, Vth and VIth Corps. N. 2 at Berna for the Guard, 19th, 1Xth and Xth.

No. 3 at Cassel for the VIIth, VIIIth, XIth and XVIIIth

No. 4 at Strassburg for the XIVth, XVth, XVIth and XXIst Corns

No. 5 at Danzig for the Ist. XVIIth and XXth Corns.

The medical inspection of the Saxon (XIIth and XIXth), Wirttemberg (XIIIth), and Bavarian (1st, IInd and IIIrd) Corps is carried out by their own War Ministries, respectively.

The chief functions of the inspectors are the maintenance of uniformity in regard to the medical examination of reservists, and the inspection of hospitals and field medical economic.

Medical officers with troops. Each Army-Corps has a principal medical officer cal et Korpsarzt, with the rank of et el (finewiders), each division has a principal medical officer called Drossonsarzt, with the rank of Leutenant-cole et

The K-reservit seths head to meetes, flice (Sandutsm) at Army Corps headquarters; this office deals with all matters connected with the army medical service of the Active Army, Reserve, Londowhr and Landstown, and with voluntary and within the Army-Corps of atrict

The Dissionsarry is the administrative medical P + of the division, and the medical and sanitary all s, r f t.e. drys onel extern

The majority of medical officers below the rank of heuterant-colonel are attached to regimental units—the medical service in hospitals is mainly carried out by medical officers on command from their regimental units.

Military hospitals. The unlitary hospitals are classified as follows—(1) Rog nental sick and appearion rooms (Kausmenkrankenstuben) (2) Garrison hospitals (Narnzonskausenkrankenstuben) are provided in all garrisons with a

-type of 00 men or more, (3) saxulary negatals H is a protein least ability das a temporary measure when more secondoction is required, (4) local negata (tries and Barueles lusarettes) may be established during that vurse or in camps (5) convilencent Lomes and mistrations for special treatment. Civil hospitals are only parely usade as of for the treatment of so deeps.

Proce establishment Te 's peace establishment of the medical officers and non-commissioned officers (lat. October 1913)

Med a. officers	2,45
Med a. officers	2,45
non commissioned officers	2,656
ance-corporate	2,387

The number of privates of the modules as rying depends in croun-

The subject of men chated as Moutirekenneuraries as Jetaranied by the subject of men chated as Moutirekenneuraries as Jetaranied

by the ampira rogin:

The south or heaves are inclined to the estate shounds of there constitute vite; roughly it may be stated that each company and conductivities in the name and code active two men every vety.

The Army Medical Service in War

Administration. The medical service of the Field Arms is under a Director-General, who is called the Chef des Feldanntifereness. He binogs to the Imperial Heal-quarters Staff and controls the medical service in the theatre of operations and on the lines of communication.

With the readquarters of each Army there is a Director of Medica Services (Generaland Inspekteur), whose official take is Armeeure

ra - Army Corps has a *tienemierat* as Director of Medica Services, officially known as the *Kirpparat*. Attached to lass staff there as consider gaugeou, appointed by the Emperor from among the enuonit and surgeous, as receives military mortest rank while to dope this appointment.

Each division ass a Incis opening as administrative medical

The Inspector-General of Lines of Communication has no principal medical officer on his staff, medical questions being referred to the Director-General

Each ane of commutation has a Deputy Director of Medical Services, called the Etappearet. He is under the orders of the Improtor of Communications and also of the Director-Ganoral. Attacked to his staff he a consulting san tary diffeer, who receives unitary medica, rank while setumbers.

Under the Etappenarst there is a Director of Clearing Hospitala (Kriegslasarstt director) for each Army-Corps

General organization. Field organization is divided

.nto three zones

L.—The zone of the Field Army (Operationagebiet).

II. The zone of the Lines of Communication (Etoppen-

III -The sone of the Home tarritory (Heimategebiet).

I In the same of the Falld Army tage for oward are the recognized felousing fit is modera, services

The region at monteal service.

(ii. Learer or parice.

II On the Lines of Communication the medical units

1 - Clearing towatas.

(. 1 — f or a variation hospitals.
(iii.) Units for the distribution of patients.

(iv) Units for providing medical stores.

(v.) Voluntary and name

III. In the Home territory the medical units are-

(a) Reserve or base hospitals.
(a) Centra, information bureau for sick and wounded

(id) Voluntary aid units

L-IN THE ZONE OF THE FIRLD ARMY

(1) The Regimental Medical Service

Each infantry or July r patts...on has two medical officers, four men of the medical service and 16 stretcher tearers, the

hithe the empirity tense to seed the old another tense and another tense and the seed to t

SCALE OF MEDICAL PERSONNEL WITH SOME OF THE UNITS

	,	s E . T I	IIN VII	omp re	1000 4				
_	Torant y a cl	- B	V 4 4 40 10 10 10 10 10 10 10 10 10 10 10 10 10	0 0 m	the state of	W (We'll of an	Sung sports rived as	e ret chappy y	Post hospital
May . I yers		,	9			,		9	*
Medica av x	4		3	4	1		1	9)
Str. Springer	, A			-	4	4		1(10	

1.) The Bearer Company

Organization.—Bearer companies (*Rematiskompan ***) are d losses after a d. or e m., broat o use the ly o the Army Corps to which the division belongs. A bearer company is organized to two bearer see to as, with me medical or dressing station sections attached

these ng station section attached ... we bearer sections have the following personnel:

te promite.

I as a sew of white Steel they

la the glace production of the production of the

pr mil *

A And auxi ary streamer busy re in adult to

I sergeau manjor I staff-sgrieant 18 under-officers Stratcher | parcy a vocate! 37 and ourpossive Cone is a excitath 206 garat her marors 17 Late Come South a Mercel a new general and Bit to the transfer on office a new terms to make the merson

bust ays and an mother The total war strength is 3 fb o , 1 1 edica figer 2 officials, 296 non-commiss over the sandate , 49 to sent

and 13 vehicles Attached to the bearer company, but not subord nate t its con mander, are the following medical officers :

I major, senior medical officer (Chafarat)

2 captains.

6 Leutenan &

When a dressing station is to be formed the conon missioned officers and men of the memora service are placed at the disposal of the senior medical officer

Transport. The transport consists of sight 2-surses wague, each with seven to nine stretemers as (1 a recon) to make two warrend and of not a result of array or a total baggan wage in arready a quit rain a a common way of the same a second same as a second same as a second same as a adaption one 2-corner supply wagon. A 2-horary field kitchen will

Armament,- The anne-corpora and privates a to see a to pessent personnes are armed with revolvers. There are als to carbines carried with the company

(in.) The Field Hospital,

Organization. - Every Army Corps I as 12 field hospitals (Feldlasaretten), each of which is intended to accommodate 200 wor aded a v. a l vestale a to two sections. The r function a to take one; wounded from the language state of till they can be evacuated

The presented consists of-I major so or ad a flee hetert I CREATURE A ent a ta puedical officers.

Lupe + segue

a pital marcomasters.

I surprise and rear timak r

o sodien under others, A SHE BLU-BURLO

monantsshould officers and men from the grain (melading 11 drivers and 9 Stmen ,

The otal war strongth is -nine medical officers and Hi rale, 52 other ranks, 29 horses and 9 vehicles.

Transport. The transport consists of one 2-horsed ambusance were two 2 horsed modica and surgical store wagons, one 2-horsed hat gog age age age as a somepital apripment wagons, one 2 horsed bangago wagon and two squipment wagons; the remaining vertice s arr at sated to N Server The total armament consists of seven carbines

II .- ON THE LINES OF COMMUNICATION

(1) Clearing Hospitals.

The clearing hospital (Kriegelinaritt) does not exist as a fully equipped unit, but is formed as required by the dearing hospital detachment (Kriegelusgrettabledung), one detachment being mobilized for each Army-Corps. The personnel to derived from the a tive 1st a Rose ve, and also from civil and voluntary aid sources. Its function is to take over the wounded in the field hospitals till they can be evacuated.

The total war strength of a dotschment us-29 medical officers and officials and 95 other ranks.

In addition, personnel provided by voluntary aid societies may be attached for duty

The equipment is oltan dis part fro , the beal i spitar which has been relieved, in part from the depot of medical stores on the line of communication, and in part by local requisition

(ii.) Line of Communication Hospitals.

These hospitals (Etappeulusaretten), which take the place of our stationary hospitals, are opened as required at Important points on the lines of communication. A medical

[.] Exclusive of flow kitchen (see under Transport ..

officer of the active or Reserve list is placed in command. There is no fixed establishment to be properly as the land f il one Vescher from I ske antended the equipment is obtained from the depot of medica, stores or

Attached to these hospitals there is usually a section for " Ad cases of improver illuse (1 1 toke at 1 - 70 3 Co have becall to the form to a start of the part a besting to be infactions of south (South of a ?

(at) Units for the Distribution of Patients

. Sick and wounded transport detachments Area Antoneportable langer). - If the anti-cit cit t f S made at officers and officians.

23 other ranks (including 8 from the trans.

Personnel from voluntary aid societies may replace men of the Rogmar army

One of these units is mobilized for each line of communication, and is usually street at a so rad ante s. atfor two stapes are congress of a her have a f with a refresh with and the same I per Billians I am lea may a ready of aft a satt a . cassifed for ever and its hade ran to water The anit als, has to collect or arrange with the proper authority the means of transport by road, rail or water for convoys of

(b) Ambulance trains (Lazarettzuge).- These trains are sails ized as umts and detated for date an and f orthin dier we wered have train as the flowing composition -

5 medical officers and officials.

42 other ranks (including 5 from the train).

24 carriages each taking 12 lying down 1 296 lying

I officers carriage taking 8 lying down I down 5 carriages for the personnel form the time that

and office and dispensary 2 ketile our

3 cars for heating water

2 supplies, I car for equipment.

1 m baggare

Anythary ambalance trains . I'm a wat . Present role in a set for a pay some a search be a further of more I was to cade to a second out non a grown a officer a l I to 12 after auts are al award for attempt 100 a

/. Ordinary trains used for the conveyance of wounded Ac and a T to a trace a se of correct researched, there has her rainedo Lit and a rest to the a membred is provided from voluntary and sources. A small mustary esport is asually detailed to take charge of the true

Hospita, ships L. o. sen & Where transport by Wider to again to he per servery the men An items as fool Ju for the conveyance of wounded A small me or personnel is detailed to take charge.

(.v) Units for providing Medical Stores.

Advanced depot of Medical Stores (Etappensanticls-Int the pitish fearal, seform as the taffers of the action and a cf of all aca. -u rica stores and sumpment to replenish those of med ea THE ACT OF THE ACT OF THE PORT OF THE ACT TO A SO stores fittings required to the vent of wagons for the transport of sick a law and A count is or tenter, in their nections, a line tree

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18. a m.PSc n 48. n - a - m. H PROPLET

following composition :--

the nor amount .

and had on no managed field Rortgen Ray wage and one 2-horsen mobile water sternizer for ever Army torps in the Army

Ench field Routgen Ray wagon has -

I medica mass-corper ...

2 mer from the train.

Eac mobile water sterrier has

I provide locksomit
man from the crass
2 drawful dis-

(v) Voluntary Aid Units.

Volutary and (Frewallog Kraukenpfieg) may, in very aventual circumstances, be employed to assist a medical matter the some of the Field Army; ate norms, sphere of actors is limited to the lines of communication and the Home territory Voluntary aid is not permitted to set undependently, but is subordinate to the regular Army Medical Sevice and subset to m. 140rs. a

At the acid of all voluntary and is the Importation is smore (for serliche Komandear un) Wilduranspectrum, who is well to the Impera. Heads is there and index when the same and ander when the same and the same and and the same and the same

Voluntary and personnel on the line of communication is remined as hospital companies, such common companies, a temporal and dende detachments.

In every case voluntary and personnel is directly to published to its delegate, who in turn is under the orders of the Regular Army

II IN THE HOME TER STORE

(1) Reserve Hospitals

varies hospitas in the Hom territory become respectively. The accommodation has be increased by convering barracks and public buildings into branch hospitals, but or tent hospitals may be erected. Be expended to the barracks and public buildings into branch hospitals, but or tent hospitals may be exceeded. Be expended to the barracks and the barracks are the barracks are the barracks and the barracks are the barracks are the barracks and the barracks are the barracks and the barracks are the barracks are the barracks are the barracks are the barracks and the barracks are the ba

stores for the conversion of certain buildings into reserve hospitals, so that increased hospital accommodation may be ready by the 10th day of mobalization

(u.) Central Information Bureau.

A central information bureau (Zentralanch srischieren) I u sik and wounded is opened at the Pressian War Ministri herlin, for the purpose of preparing casually lists affordisz information to relatives of soldiers, collecting information is to prisoners, &

The personnel consists f

12 seem aries.
189 merks and mussoners a

(ii.) Voluntary Aid Units.

In the Home territory, voluntary aid week of a rgu ze on the same principle as on the lines of communication.

Voluntary aid depots for the reception of gifts for the troops well also be sened at the headquarters of each A new Cross

Uniform. For the new years of the uniform see the form see put 108.

G. \ Bark Bine I neftorn fore Plates 11 and "

Two Trans of lark the costs with a let us of the or Burks of the support The number of the Companies of the control of the con

the prist.

I men are with fark tone color patches.

I men a Park bine, with scarled paping and officers', clank

somelist pipings. Bavarian dark bang on Tro ac wife of the large of the ac wife of the large of the discussion of the same of

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To Fig. 2 4 15 15 15 15

N 7 111 1 2 1 1 1 2/1 Inn F

Badges of reas - we g

1 MY TROPE S RY SE 6

General - The Army Veterinary Service con-is-

The Corps of Vaterina y Officers The sub-vetermaty surgeons t Unterpet ... Vetermary officia s.

The Army Veterinary Service is under the Director of t. ter Wir wart at 1 to Mar. to whom. to I spectry fit and on a silvective estratt the Minter the Minter the training either the Director of the Cavalry Scoti 1, vya War Department or the Inspector of t \univ Veterinary Service may be directed to supervise it. The Inspector-Gereral of Cavalry has the right to the instructural

Veterinary officers and officials to tost or 124, the veterioary surgeons, formerly classed as officials s to mal without rise t V tong at the long r Officerkorps) and Regulations (Militir-Vetr : " " " " providing for the supply of such officers were approved .

The Corps of Vetermary Officers is immediately under the Inspector of the Army Vetermary Service, who is responsible for the inspection every four years of veterinary I tters I her a with H stat what votering v officers are allested

The recruitment of veterinary officers is dealt with on THATE 38.

The sub-veterinary surgeons are aspirant veterinary officers undergoing instruction at the Mi tary Veterinary Academy* in Berlin or the Veterinary High School in

The vetermary officials are those individuals who were of sel cted for the Corps of Veterinary Officers when it was formed. No more officials will be created

Veterinary duties with the troops. Veterinary officers can be placed over officers of the Army, and the degree in which they are subservient to the latter depends on the position they occupy towards the officers of the Army with was tary serve. Vicery dry Theats I were to have powers over the rank and file of the Army. They are inveriably attached to the Staff (Army Corps, divisional, brigade, or regimental) of the formation or unit to which they are a lotted, and are immediately subservient to the con par lar for form b r r

The treatment of sick horses can only be carried out after the veterinary officer has submitted his proposals to the commanding officer of the unit concerned and the latter has approved, the former then becomes responsible for all

animals thus placed in his charge. The Korpsvetersalir is the veterinary advisor of the Army-Corps Commander, and is responsible for all veter lary services throughout the Coups.

The Regiments estering is the senior veterinary officer of a regiment of cavalry or artillery. He is responsible to the comman by a vite of sorthe wit dit grace In a similar position is the senior veterinary officer of a train battanon or of a field articlery Abteiling

^{*} we made 219, "Mintary Resources of the comman Et pire 1911."

 $M_{\rm wire}$, r. and lower ranks have charge of k ser units, such as squadrons, b. (i.e., 4.4)

Page establishment. -TI wase esta liamment of Army Veterinary Service (let Oct. in c., 913) s

Army Veterinary Service (1st Oct mr 1913) s	
Veterinary fficers Sub-veterinary surge to	33
	403
Tachens : Duta -t ows	_
Cavalry (three per reg. 1 - t	9.1
Field Artillery (three per regiment,	315
Foot Artillery (one per larget , re-	
section) ,	3.2
Communication to a pe	- (
Tran (two per battali)	50
Mi, tary Veterinary Acade v. War	
3 m 1 M	()
	_
	× 9
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Uniform France f where \$

The bound of the control of the cont

Badges of rank

CHAPTER XI.

SEMI-MILITARY FORCES.

General.—The semi military forces of Germany may be grouped conveniently under the following headings

1 Mil tary Police (Gendarmerie)

3 - and I wy Guard-

4. Staff Orderles
5. Military Vet

1. Military Police (Gendarmerie).

ties I - the crya police of the towns, there is a large body
of Ter is ria. P is to med Landgendarmeria, which in time
of wir provides to Field Police, or Foldgendarmer

I BA. TO O AN T >-

The Territor of Police (London on most Kragdom on most the Mantster of the Interior or the Mantster of the Interior or the Mantster of the Man

Prussia. The Pt set the set wide interest in Berlin, is under a chief with the set of scienters. Equivers the its advantaged to the 12 Prussian processing the transfer of the control of the processing the processing of the processing the processi

e ools for Gendermere) and 1,000 her.

The officers are chiefly officers of the Army who have
reture, navour of ndifferent health, they are required
to have completed a course of 3 months at the schools for

Guidermorie at Lankest or Woulea. They act merely in the capacity of impostors of their districts or beingards, and are with independent of the expectation of their districts of the ground orders direct to the Geodormorie without reference to the officers. The duty of the officers is to appears the conduct of the mea, of the Geodormorie, and to see that the duties required of them by the direct authorities are carried out.

The men of the corps consist of 40 clerks, 390 serjeant-majors (who have charge of squads into which the several districts are divided, 1,870 mounted and 2,700 dismounted poince. They are suder the direct orders of the wat, authorities. They are selected from non-commisse of clicers of the Army and must fulfi, the furnities

(i) Have served for I years.

(ii.) Have excellent characters.
(iii.) Must undergo two slight examinations.
(iv.) Must serve a period of probation.

They are under military law, being subservient to their own officers and not to the commanders of the Army Corps districts in which they may be serving, they rank as non-commussioned officers, and said Army officers.

The Prassian system exists in the smaler States.

Uneform. The autform (see Plate 12) is similar to that of the infantry dark green tume with light blue facings and the number of the brigade in scarlet on the shoulder straps.

irmonent.— Dismounted femularmes carry a carbine and award-layonot, mounted Genderness a sword and a revolven.

Bavaria. The Bavarian Corps, with headquarters at Monitch, is under a major general, and is divided into eight divisions (Adminisopen), which are again sub-divided into SM stations. Numbers officers and 3,000 Genderness belong to the corps. There is a school at Mignate.

Wurttemberg. In Württemberg the corps is called the Landyager Korps; it is under a colonel, with headquarters at Stuttgart, and is spread over three districts, each under

an officer The men are classed as Landyager of the 1st or 2r l isses.

Alsace-Lorraine.—There is a special brigade for the Reschinal

WAR ORGANIZATION

When mobil ration is ordered, the Landgendarmers form the in-ortel 2 to Police Eddjendarmers), Reserve nor a miss, red theoris flavor y big 4 to make a the number reputed.

Each Army-Corps mobilizes 2 detachments

(a.) For the headquarters of the Army-Corps

l serjant-ra, r Cota no e

(b.) For the one fromm in cation of the Army-Corps-

l captau. l serjeant majer

In a licente dose the Imperial Headquarters and the real prices of are less we furnished with detachments.

The are 1, 4rd 1d c upped in the same way as the Pressin territorial police, and wear's gorget of white metal, on when is an eagle, round the neck and over the tunic or

Their duties are to carry out the police duty with the

2. King's Messengers.

Peace organization. As the fining Messenger of Dearms we assert the production of Dearms we are action of Prederick of the transfer and was them of the products and the transfer and the products are the products and the products and the products are the products and the products are the products and the products are products are products and the products are products are products and the products are products and the products are products are products and the products are products are products and the products are products are products are products and the products are products are products are products and the products are products and the products are products are products are products and the products are

The King's Measurgers are under the Inspector of I wand Schutzen and consist f

1 theraper (1 He itenant and 2 2nd heutenants).
7. Feldyager (11 heutenants and 64 2nd he itenants).

They are recruited from) nor officials of the Forest Department, who rust hav served as one year volunteers in a rifle battalish and have qualified as Reserve officers.

In time of peace a portion f them perform the dities of Rit 2' Views rest 102' 1 101' at le erest ider

War organization.—On mobilization the Corps is distri-

Berlin	***	4+1	1114	4+1		Obergetar
[mperis]	haeE	quarte	DS		1	Feldjirger Uberjir
Each Ar	my H	ендарыя	rtere	11(9	Feldy ger

Those not employed as above are dis brief arong the

They are employed in carrying important orders and depathbea.

Uniform. Dark-green tunn with so 't faings, lacenke to buard, and black leather heamet with gift unaments.

3. Castle and Body Guards.

These corps consist of-

(i) The Prusser (i-ti trard (Schiusgard-Eau

...) The Bavarian Bodyguard of Harbardiers (Loibgards

(iv) The Whittenherg Castle Guard (Schlosegurds-Konepagne)

(v) The Hessian Non-commissioned Officer Guard

vi) The Saxe-Weimar Bodyg iard Hasara (Leib-

i) THE PRUSSIAN BODYGUART POLICE.

Organization.—The Leapproductures fortus the personal secure of the Emperop, beading to the hadquarters, and is exactly the temperop beading to the hadquarters, and is exactly the secure of the secu

Uniform. The uniform is duck green with light blac facings, the royal monogram as borne on the shoulder cords. A cuirassier helmot—white metal with gittenge is worn. On gala occasions a white time with crimson facings is worn

liv the 2nd Section

(.) The Paussian Castle Liuard.

Organisation T I who was Notices A way of the general the reveal astes a way of the Emper r. Is it camply, and consults of 1 aptain and 69 reliable long-sorvice non-commissioned officers. Fifteen officers are attached to

the company for dath Uniform is that worn by the Lifeguard Saturdier. The tuniform is that worn by the Lifeguard Saturdier in the front, exarlet facings and write shoulder on with the royal monogram in Yell's in the same lead their dates and write wite, with white in the same lead their dates and write wite, with white in the same lead to the facings as above and black leather helmet with whate metal fittings when no ordinary daty

(in) The Bayabian Bodyguard of Halbardibia

Organization. The corps constitutes the personal guard of the King. It is under a general officer, as captain general, and consists of 14 officers, 1 medical officer and 92 men. The oil apply of our retained and the officers consist

The captain general (a general of infantry)

The lat-heutenant (a lie stemant general). The 2nd heutenant (a major-general)

The cornet (a lieutebalt-colone.).

Tie Exemple (B IDB.

of-

An admitant (a cantain) 1 1st brigadiers (hentenants 4 under brigadiers (2nd lieutenants...

Uniform. Light blue tunic with black factors wit to metal be, met with gilt fittings for ordinary duty. For gala menatona a white tunic with night blue skirt and blues facings, the cross of Saint Hubert on the breast and a special white-metal he met with a gilt han on the ton are SECTION 1

(iv) WURTTEMBERG CASTLE GUARD

The functions of the guard are the same as those of the Prussian Schlossgarde-Kompagnia. It is under a Lautenant. colonel (the of the a des-de-camp to the King), and consists of 30 non compassioner, officers, with an attached officer

The uniform is similar to that of the Prissian Costie Guard, but a three-cornered hat is worn

(v.) THE HESSIAN NON-COMMISSIONED OFFICER GUARD.

This guard is attached to the Prussian Schlosmarde-Kompagnic and is stationed at Casse. It constitutes the podyggard of the Grand Dake of Hesse. It is under the orders of an aide-de-camp of the cake, and consists of 47 non-commissioned officers

The uniform is a blue lancer tunic with white facilies. se and collar and white shoulder straps. The head-dress is the usual dragoon believe.

(vi) THE SANE-WEIMAR BODYGUARD HUSSARS.

These are analogous to the Prussian Bodys and Police and are called as a rule, Ordennanz-Gendarmeria (Orderly Police). They wear a scarlet hussar uniform with dark blue facings

4. Staff Orderlies.

"teff orderlies (Stabs-ordenmanzen) are found by the t titel rps, a ley " art i es, w. h. t for wall, . Army Corps, Division or Brigado, to which the staff they are attached to belonge. Their duties are pure and simple order, work. They are allotted in the propertion of a

A non-commissioned officer to an Army-Lorps Staff A lance-corporal to a Divisional Staff A payate t a Brigade Staff

thysley orderlies may be allotted to commanders of

" EPTLIE FT Park They may remain for an extended period with the head est v na quettal at large se bang tot ils He and a Reference of the s so f , to po , de s, , de sur 1. . 1 h. b. coft . o.

fact two . . which the Staff Guards W a al b basis

Ir was super that it is they wear a tin Bayaria the and a lark green with light bue color and cuffs and searlet enaulettes. The number of the formation to which they belong is carried on the shoulder strap of spaul tie.

5, Military Veterans' Societies

In A semerane use bonefit societies composed of exof tere ally called veterane), with the object of encourage to a local man of man What thilated sodie they number \$2,000 sometres with the re . 1-re. Their business affairs are regulated by a con a see to encouraged by the F. Det . a d the military authorities. They have banners o saluted) and orders and medals of their own, and 1 part in festivities, partly historica, and partly marilar, in their nature, marching past general officers command ag in chief with the Parado-schritt and drawn words, attared in alam clothes and alk hats, and the scarves and orders of their societies. When the Emperor attends the angual inspections of an Almy Corps they line the It to Phey are most effective in keeping up the par asm and I. yaity of the population

CHAPTER XIL

INTENDANCE AND SUPPLY

Personnel. The personnel of the Intendance (Intendancer, is d. wa. from the f. l. www. of leases

Higher officials fi

- 1 Other a world a raise view
- 2. Reserve officers with the necessary qualifications.
- 3. Retired afficers (for clothing).

Lower office als from

- 1. Soldiers who have a first case educational certi-
- figure from a classical or modern school

 N a-commissioned efficers of 12 years' server will
 extend to the arms of all brook aducation.

Abrical staff from-

M litary candidates with good civil references

For all classes there are courses, examinations and probationary percels.

The higher officials of the Intendance are a seed is military officials, and not as Army officers. (See ag. 25)

La state to the try the latescents, the assect that following the state of the latescent of the latescent of the Musicry of War to carry out littendance duties for the Musicry of War to carry out littendance duties for the latescale of carry in the latescale of the latescale

Corps Intendant. The curps Intendent is the chief of

Army-Corps commander He may report the decian of this general to the Munster of War, and the latter, like the Army Corps commander, may appeal to the Emperor

Arts, Corps commander, may appear to the England
I to torps intendant, as well as performing the dates of
a staff officer, has also the executive powers of a commanding
officer over his subordinates, and is represented in each
division by a Divisional Litendant.

The Corps Intendant is in charge of Section IV.a of the Army Corps Staff (Intendant Section, see page 80).

This section is divided into the following subsections

1. Finance Section (Kassen Absolung).—General financial

work, and the preparation or estimates.

2. Supply Section ('Empfiguency Absoluteg). - Purchase and administration of rations and forage, and the supervision of many magnetics, feel balences, supply offices, and

preserving factories.
2. Clothing Section (Rekleidungs-Abteilung). Supervision of the work carried on by the clothing officials in the Army Corpe cithing factories and reguleria, tailors' shops.

4. Garrison Administration Section (Gurssoness and Laga-Abdalus) — The acquisition and automatria on of landscores and materials needed for the housing of troops. The section includes the Barrick Construction D ** if fig. 1 fig. 1 fig. 1 fig. 2 fig. 2

under the supervision of the Militie-Ban size.

Hospital Section (Lawrett-Absiding)—Direction and supervision of hospitals in an far as they are not ander the medical authorities, and including questions of invaliding 6. Army-Corps Pay Office and emergency work.

WAR ORGANIZATION

General. The mmense importance of an efficient supply system in war is thoroughly recognised by the Genera Staff, and close co-operation with the Intendence is regarded

as the only method of attaining such a system
On mobilization being ordered, the work in the Army
Corps desirets is an of a long desiret intendants of
(stell perfected intendants proper), while the Intendants proper

* The military working in these factories are the so-called

take the field with their respective formations. The Intendants with the Field Army are distributed and

Free by (to a r Fig., Army Intendant field Army (as l. (tot Field Divisional Int.

They carry out the description of the large transfer which they perform in peace with certain obvious exceptions e.g., there is no necessity for the Mid.tir-Baucase with the field Arm.

Army Intendant. The Army Intendant has to enact supplies reaching the troops and it is resources of the country being utilized to the full, he is responsible for money on the resource of the supplies of the resource of the supplies of the Chief of Staff of the Army, but under the Intendant General for administration and accounts.

Corps Intendant The Corps Intendant is responsible for the supply of his Corps, whether it is derived from he sources for from the lines of commanueation. He is responsible for the adominatration of al supply units in incorps, such as a piply columns and parks field believe the A. Under him are the field Intendance and dipay, supply add below refine.

Similar y the Divisional Int . T. t. a sponsible for the

Regimental supply officers.* -Regimental supply officers curry out the supply arrangements made by the Div. in Intendant. If necessary they are assisted by additionally officers and non-communicationed officers.

Various methods of supply. Troops may a supplied in the field by the following methods.

(a) Billeting with subsuccess.—In a hostile country the

money for the payment of these Lillsts would be raised by requisition from the inhabitants.

Park on Transcript View method by the view of the contract of

Control of the contro

(d.) From which had been a control of, as far as posses, with had been a firther with hippers in a tap for the second sec

mitaba a

8. Calce by the secretary with the troops are to be looked upon as a makine reserve and remote bessel if sufficient amplies can be obtained locally. They counse of fixed serve or retions (Aringsportnesses) and from all ones as a server of the following provided as I share composition as a form in the following provided as I share composition as a form;

RATIONS CARDING IN THE GERMAN ARMY

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tone after two first day's march. Three

thouse after the first day a march. Three

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		150	
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of Low	Tota	710 gra	D TOTAL
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and the same of		_	

Iron forage ration Normal, 134 lbs. (6 kg.) Oats. Heavy draugh wes the I so ate

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infantry or most see page 100. + Out down to I lay's rations after the first day's march. Three

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TOTAL DELANCE 187073			
{2c + oz. bread or 14 z. egg mscut or 17z oz. baid breunt 13 oz. fresh or frozen n	** ***	400	relatios.
1 oz. preserved meat 1 oz. preserved meat 53 oz. preserved meat 53 oz. preserved meat	or 125	250 250	1 31 17
oz. dried vegetables a mixed ration of pota dried vegetables.		G(27
Ta c. Bugar		3 4 35	· · · · · · · · · · · · · · · · · · ·
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Norma, , Heavy draug :	16 Lie	(2-5 kg) (7 5 kg.)	184 Jus. (6 kg.)	91 61 1 .	S Kg

Intendance on the lines of communication. This bas been dealt with when deciding the organization of the lines of communication, see page 64

The line of communication Intendant, who ranks with a Corps Intendant, carries out the instructions of the Inspector of Communications and the Army Intendent. His duties consist in supervising the forwarding of supplies (in collaboration with the railway authorities), the collecting of supplies in the area of communications (Rappen-Gebiet), the establishment of depots in that area, and the supply, &c., of line of communication troops

System of supply .- Supplies forwarded from the Home territory are provided for each Army Corps from its own Army-Corps district. They are collected at the Home base by the Deputy Corps Intendant (see above) who hands them

. , loaded on trains, to the Military Railway Directorate The latter forwards them, via the collecting stati is (Sammelstationer), to the transfer station (Velorgange-(1636)

elation), whence they proceed to the line of communication main deplit (Bin pendangiori). Here they are sorted and sent to their respective Corps Field Magranes inner the direction of the Army Interdant. These imagenies are filled by the line of communication supply parks, and other issue to the Corps supply communication steply parks, and other issue to the Corps supply communication steply parks, and

When the troops cannot I vo on the country (stud it is recognised that, with the mmenes armies of modern dis s, this method of supply wil be insufficient except during the strategiest deployment, and will be a together impossible when the army is halted or retreating) rations are issued from the regimental wagons. These are flied up in.one. ately by one of the two insthots described above, as, from the Copps supply parks and columns or direct from field magazines, if they are situated close enough to take troops to pormit of it.

Uniform of Military Officials.

Paymusters (see Plates 11 . . 3..

Tun - The tune is of cark blue cloth with white enging to velves collar and cuffs, and white spauls it a

L. Grey, with dark | Ine col ar patel Trouvers. - Black, with scarlet juping Bavarian, dar

blue with scar et 1, 1915. Head-dress.—Infantry behast, forage cap dark blue, with white piping and edging to bood.

White and we see held at a

1 84 1 1 1/1 ,

for ad one ofte. In Same special step, exist a cast a mining is criminon (see Plate 10).

Judicial officials.—Same as paymenters, except the the piping is scarlet, and there is a fringe to the epacies. Ar the superior officials (see Plate 12).

Field Treasury office is Sur's as paymasters, but with color and cut's of cook, yellow buttons, and yellow shoulder straps (see Plate 12).

Clothing officials.—Same as fiel, treasury officials, but with scarlet piping and epaulette grounds (see Plate 1.

So ply officials. -Same as field treasury officials, but with yellow piping and epaulette grounds (see Plate 12).

Gerrhon administration officials. Same as field treasury officials, but with light blue piping and epaulette grounds (see I late 12).

Hospital administration officials.—Same as paymisters, but while enflower have plans and partite grounds or Plate 19

Fell w.s. p a * Same as paymasters, but with orange pining and epaulette grounds.

Officials of the Technical Institution. Same as paymasters, but with carmino piping and dark grey velvet collars and cuits.

CHAPTER XIII

TAUTICS OF THE THE . . ARMS

Introductory.

The details of drill formations, the system of outposts, &c., are fully dealt with in the various manuals entitled "Educa" thon and Training of the German Infantry (Cavalry, Field trtillery, &c."), published by the treneral Staff The following chapter will, therefore, only deal with the broad outlines of German tactics based on the official Regulations, the writings of re. sale authorities, and the reports made by British there at have attended German pence manustres. For . s. of weeks on the subject, which have been translated . to H. .g sh or compiled by the General Staff, see Appendix VI , page 322

To unle source tremman tactics it is necessary to realize treap t fine terms taken wave there take is pave to a great extent, been evolved to suit the size of their army and the idiosyncracies of the nation as a whole. It has to be remembered that with an over-increasing population the size of the army is practically merely one of expense," while the general spirit of the German Army is one of Latense devotion to Emperor and Fatherland, combined with the unviotion that no other army in the world could stand up to it for any length of tune.

Owing to its numbers, its organization, its discipline, the absolute interrelation of ics parts, the elaborateness and the a see for ethough a govern all term a male and the strong spirit of the offensive inherent in the whole molitary war , let p de, that the cy for alle most formidable fighting machine in the western world at a synote of its method is contained in the often

· the classiff He of the pr

repeated in anotion "Forward against the enemy, ost what it may "k

The Three Arms.

General. In the German Army it is an immutable law that attack should always be met by counter-attack, and so strong are a lofficers imback with this principle that there is a bendency, at any rate at mancavres, to deliver what to the ortical observer appear to be premature and il timed counter-attacks.

As regards the use of reserves, it would appear that, athough their Regulations prescribe that the reserve is the commanders most effective weapon for controlling the general course of the action since it "ena les ain to move, as it were. the centre of gravity of the light wherever he wishes, to res force where he considers necessary, to deal with the flact intions of the action and, finally, to bring about a decisive result," yet, in practice, the tendency is not so much to reinforce and support an attack as to extend the front with a view to enveloping the hostile flanks

In general terms it may be said that the tactics of the German Army are simple and uniform, and consequently understood by every individual in the army

Attack.- There are two important axioms in their

Regulations . (1) That as a general rule the front is, within reason, nytolable

(u.) "The combination of a frontal and flank attack gives the best prospect of auccess.

"In order to carry out an enveloping movement auccessfully, it is essential to contain the enemy in front. For this latter purpose a determined holding attack is the most affective.

The Germans, however, always contemplate making their secordary attack into a docisive one when the main or enveloping attack begins to make itself felt.

There is a tendency, in making flank attacks, to extend the front of an attacking force and even to separate wide,v

with a property of the grant of e o man influency Dr. g at ms.

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As repar to salary file than it references to term at his so so at a spear that a seed, will come with the seed of the seed to see the seed to

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If an attack is ceeded on rapid action must be taken. Thus a must be as more his plans without wasting for the results of further reconnaisance. It may be aken that the eighty with

It must, however, be recognised that the advanced the eyes ally the cavalry of the advanced grand, are expected to the intermediate that the expected to the expectation as to the enemy.

tere and the safe for the that all the attack to the term as a second party of the stack to following Regulation,—

A so the difficulty of getting a well sufrenched skirmishing line

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w Wis require startingly knowledge of floor agreement

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Hr 1 (r. to r. to receipation of only one position, and advanced posts, false fronts, &c., have been discred to

There is now (1919) a distinct to it is the indirect to be seen and the period productions on a single line of defer to

Stratagems in a sense we show one of r and others and the sense of the

Machine-guis.—No remarks on German statics would be complete without reference being made to the importance stached to machine gun fire. In every infantry bright to the complete with the company of the

Infantry.

Infantry tactacs have altered but little in principle in the last 14 or 15 years, although modifications have of late been coduced as regards extension during the opening phases of the them.

There are are recognized phases in the attack. The fire in or assembly (disfinition), the deployment in the article and the extension (but it is to

Forming up consists in changing from march formations to formations with a broader front, but still "ose, such as battalions in column or lines of companies in column or lines of column or line

Extension is the distribution of troops in fighting formaters in the form of extraoshing him.

As a rule, forming up takes place some 2,500 yards from the enemy, but this must necessarily depend on the circum stances of terrain.

Sin all deployment is dependent on hostile fire and twill be highly, but generally speaking may be said to take all cat from 2000 to 1,500 yards from the enemy s position

The advance the stakes the form of social set less find areas a phorts and reserves, with roughl 3 m and network en . the usua, encavour is to k Accourses the first less than a first less than

At an answerse the original extension now varies from 4 to 6 paces between mer, and in sometimes even as much as 10 paces, though the Regulations lay down 2 paces as the normal, and state as a guild that a company at war strength (250) will require 165 yards, and a brigade of six battalions 1,650 yards. But the tencency at present, as shown above, in to increase the original intervals between mer.

The firing line is gradually increased in density, and since casua tice, at any rate at maneuvres, are not practised, by the time the final fire position, viz., 160 yards or so from the ensary, as reached, the line vs. 4 year thick or

The various advances consist of movements of some 50 to 100 yards, but us they are not often carried out at the double, they can scarcely be termed rush as

The Regulations are very precise to the necessity for the provision of covering fire during these movements.

The tendency is to p we comewhat rigid and melastic hoca, although the regulations districtly contemplate elasticity as a shown in the following

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From the for good good at the derman R good to and our own are not so different in principle sometimes asserted

Artillery

Attack. The main principle armed at is the employment of German artitlery is the close support of the mfastery at all bazarda. Batteries are expected to move up to perfect of the close behind the attacking infinitive, regardless of the losses to words they expose theirs even, tange arrest from and histor to follow up their win infantry, as they approach closer and loser to the hostle tremelies.

The Regulations state that open and semi-covered positions are unterested for the attace of moving targetcovered positions are given credit for mystifying the enemy for facilitating ammunition supply, and for ensking that teries to preserve their fighting power for declared particles. The the lattile. On the other hand, it is pointed out that careful preparation, for which time is essential, and good observing stations are unlassed supplies.

The spirit of the latest amondments issued in 1911 to the 'I introduces for Fig.d Artillery Fire' shows an endeavour to itsist more on the use of covered nonstrone in the future.

^{*} This will of your me dring of us for 1 000 ciffes

As regard, reserves of arthery, although the Regulations state that ""In the operations of h i set he general commanding may at the b " is " and the set of many to be portion of the artillery in it is to be in the form of the artillery in the set in the form of the artillery in the set in the form of the artillery in the set in the form of the artillery in the set in the form of the artillery in the set in the set

In the attack or an enemy in position as soon as the inferter coince under fire, the teak of supporting them becomes the first data of the attility. Indeed co-operat it with the infantry is the keynote of the German Artillery is, soons and times Reg., atoms are carried out in both let my different and the constant of the constant of

the general officer commanding has informed to command on has informed to distinct the attention relatives the greatest volume if fireflat part of the pointion any guas which may have been held in reserve are brought into action. The fire of the leavy artillers, like that of the field guas, is now chieff directed on the enemy's infantry.

In addition, the attacking infinitely is accompanied in the further advance by single batteries. The object of these latteries is to give the troops moral encouragement, and, in case of a repulse at any point, to break the enemy's cosest, and form a line behing which the infantry can relly

Defence. As regards artillery in the defence, its action is guided by the same principles as those already described in the attack, but as stated previously, the German Regulations deal much more briefly with the defence than with the attack

The detailing of guns for special tasks from the outset of the engagement is the chief difference detween the tactics of the defence and of the attack in Germany

The governing principle appears to be to prevent the attacking artillery from gaining superiority of fire.

With advanced guards, -In the allotment of artillery to an acconced guard, there seems to be a tendency to make

advances guards strong in this arm General Rohne gives the following as the isia property

For a Division 12 battallars and 13 patterns 2 patterns (one Abtalana, with one regress of a factory (3 batta

e. . Army Corps. 3 to 8 batteries with 4 to 8 infantry

to grass the employment of guns with an advanced to the Coptain Culmann of the Frence General Staff, writing on battles of encounter says, "the tendency of the Germans in opening the engagement is to strike quadkly and to atrike strongly; the one idea opposes the other, and only the architery can effect a partial reconciliation between

Carro

The German idea as to the tactical improyment of cavalry, as Isid down in their Regulations, are very much the same as those embodied in our own manuals

as the control where the off-cases as assumed at the outset, the other hand and where the poles of causary are consumed, with the occupantion of artillary and machine gan fire, are garded as the orenal under of fighting and the format exaller; but the measurity for distributed action is being more and more of garded, and cavally is consequently receiving increased traving in this sobject. In it true that the German exaller we very much handicapped by their lances in disnounted wors, because they cannot entry them on the saddle but this does not prevent them from employing disnounted action. If, however, three-quarters of the force dismounted school. If however, three-quarters of the force dismounts, the led notes are rendered more or less immubite.

The desire is to combine fire fact as with mobility, to slept and suppose the concern, but not to use early, as a rule, as infinity, or to carry of regular stacks in considerable dupth. At the same time it a proognised that occasion may arise when it wil, be found necessary for cavalty to neutropose or, advanced or flash positions by a

and smounted attack, and cavalry are targht to execute
the pll-ying extensions and depths of formation
similar to an ordinary infantry attack

The effect of the orms blemake is still considered to be of b importance, and it is municated that cavalry conving as a surprise or del vered against shaker affering under the prolonged strand of a modern and successful in the fitters as

f r 1 as a s a m Germany, eft almost ent vely

reports sont by cavalry are extremely good and

approach much closer to hostile mfantry than, perhaps, would always be possible in war, but this is done with the lipe to figurable carrier in the opportunity of carrying its recommandation.

Jirdg og 1. the primes from exciter, an excite from the state of the s

I've system I is a faith author to evolve of the review brind, with considerable access, at the 1912 In rea Mr. res I to see the transcript in the most open to provide the requirest minarity fire as a rept to the set in a rept to the set in

It may also be remarked that the German cavalry divisions we propped into cavalry corps at these manguary.

Aircraft

to but even trees to a first five and better with a control of the state of the sta

CHAPTER XIV.

MARCHES, PROTECTION, BILLETS AND

MARCHES

Rate of marching. Lugs address of troops marching for lung distance under favorable conditions, march at the average rate, including helts, of 1 knowneter in 15 m is less of to quarter and the condition of the condition of the of to quarter and the condition of the condition of the other conditions of the condition of the condition of the this, especially for about distances, but the German Regulations hay down that it is seldom advisable to increase the ordinary rate of marching.

Infrastry Take of marching in the fantry .—There are 4 methods of marching in the sfantry .—(1) The drill step (Eccrecomarce), (2) the march in step (Obserbachertt), (3) the break step (Marsel plus Tritt), (4) the double (Lautscher)

The drill step is used at dril, in close formation, when paying compliments and at reviews It was originally termed the "Prendsetrict". The murch in step is 11 space to the immute, and the length of the pace is 3 metre (314 inches). The pace of the break step varies in length and time seconding to the mature of the ground and the build of the incl. vidical, and the double varies from 170 to 80 paces to the minute, the length of the pace being from 75 to 9 metre (394 to 395 unches), according to the nature

fire ground to the cavalry the paces recognised are the walk and the cavalry the paces recognised are the walk and the cavalry the paces recognised and the cavalry and the ca

[.] The page is reckoned at 8 metre (31; indias).

drillery. The paces said Jown for field and Lorse art Jery are as for exactly, but are somewhat reduced in difficult ground and when isothing in column of route. The rate of the brit laid down for the beavy artillery of the Field Army is 930 paces* to the minute, the rate of the walk beau, as these

Marching formations. Infantry march in following the bolosses, earliery a large bottles march in sect. I am dheavy artillery in column of route The infore avalry is recognised, but is not recome a better the length of the column benefit threely doubled.

Great in portance is attached to one side of the road disays being kept clear during a march, but in certain circumstances, such as when the roads are bad or in very hot weather, troops are allowed to march on either sid the road, lossing the certar clear

An officer, and a bugler or trampeter, for the purpose of sounding "clear the road," much at the rear of each company, squadron or sattery. This call may only be sounded by order of an off

When the read is wide, and is known to be so throughout, the column is abortened, in order to expedit deal poyment, by adowing misstay to march and unite to march side by man, find archivery and march in column of subsections (Doppeltodows) and lorse artillers, an battery control or march in column of subsections (Doppeltodows) and

The order of manch is based upon the manner in which the troops well be employed. The head of the main body consists, normally, of the remander of the infa. it consists, normally, of the remander of the infa. it consists which furnishes the infantry of the avantual guard. The field attalkery marcaes as near the less of the column as a consistent with anothy. If the articlery column is a long one, companies or sections of infantry may be infantry from the probability of the consistency of the consistenc

to the second se

Appendix XIII, but these are only to be accepted as a guide.
The following distances are above a between units
in rear of a

Halta In addition to a short halt soon after starting to the control of the contr

Night marches.—Not much is said in the vertage Read, at an with respect to a ght wall. It is monted that the table of the control of the cont

^{*} Tao pace is reckios a x · r 3.

the enemy, especially it is a provenient, or i the

The passage of military bridges.—The pioneer officer in the late of the late o

libratory was a typical translation of the forms, breaking ster () reses a for short ter () and of the translation of the forms are designed and made to the forms of the forms.

Transport and train. Transport is divide the late of transport (defeated-stopped) and fine time stansport (defeated-stopped) and fine time stansport of artist have after a been given in the chapters deading with the late of the transport of artist have after a trains.

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apply columns as wak, at field hear to may be reasoned as the see as the base of the see as the see as

the first dohelon. Corps bridge trains are allotted as

When an Army-Grape marches by different reads the whole of the columns and trast, or only the first chief a market market and the columns of the columns of the market market market by the columns and suggle field near, all may be cent forward as a fighting chiefon in front of the Sad time transport or market me to the read of the troops

considerations of supply may render it necessary to interpolate supply columns and parks in the columns of march of the fighting troops.

PROTECTI N

Protection on the March

Advanced guards. - A mixed force of all arms invariably sends forward an advanced guard for its immediate protection, whether its front is covered by cavalry in the

The advanced guard must be far an agh to the front to prevent the advance of the main body from bemr checked. and when contact with the enemy is obtained, it must act so es to gain space and tune for the main body to deploy, it must at the same time avoid committing itself to a battle which may hamper the freedom of action of the commander of the whole force. This officer will consequently often march with the advanced guard, and does so constantly at mand hers other of as ther that to a life od a body in his absence. The strength and composition of the advanced guard are regulated by the situation, the intentions I the commander, the nature of the way would the strength of the main budy. The property of the every vary from one-third to one stath, or even less, i tre the strength of that arm. Sometimes it may consist aimost enterely of cavalra

Field arbillery will be specially detailed to an advanced g and of a large force, and pioneers will, as a rule, always be reladed. A bulloon detachment, bridge train, and ever

nospital troops, may also be the jed.

The advanced guard is divided into the main body, the ranguard and the advanced guard cavelry, if any. The main body consists of the bulk of the infantry, the fill artillery of a core guness the latter are with the vanguard. The

vanguard consists of a portion of the infantry, the necessary condition and, when required, the ponerar in the case of a large force to markines sufficiently far fervard (say, 1,100 to 100 to

A strong vanquard wid usually send forward a point company 440 to 550 yavid in advance. At a similar of greater distance in advance of the point company marches point, or by the availy of the vanguard with its point. When specially ordered, the protective cavalry in advance of the infantry joint may be dispensed with

The infinity point consists of 1 officer and at least a group (truppe = 4 files). The cavelry joint cone ste of a commander and several troopers. Connection is mail tained by far record to the several troopers.

It what a gent for a position force of cavary is ign z profit to b for mixed force. For or retwining to the average point will suffix

Plank guards. If pairs a see not considered sufficient protection for the fails, fails guards are formed, they may be detacted from the vanguard, nauguard, or man body. The strength and compose iten depends on circumstances, but cavalry a invariable progrand in the control of the control of

On the march a skill of the protective formation to the front and sv flank as the advanced guard. Sometimes it forms a rear guard of its own

Rear guards.—A rear guard will generally be used fresh troops, and will include a strong force of field artillery and cavelry. Its rôle is to enable the main body to retrievat in good order, searching a self. If these carrying out this ditty. A free use of artillery ad theoring to the first of the infants, it is not mended, in order to force to enemy to dop or and to enable the retrement to the total to the carrying to the dotter of the infants, it is not mended, in order to force to enemy to dop or and to enable the retrement to the total to the component intense to take offensive with the sound of the first proportion the set to take offensive with the series of the offensive with t

Protection when at rest.

General I - seres solver for the open of a period depend on the procunity and strength of the occurs, on take of the occurs, on the series of the occurs on the series of the occurs on the series of the occurs of

Except during a battle the movement of the troops are in the main confined to the roads, especially by night. It is threef ire important to county approaches leading from the direction of the enemy.

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min or exclusive at 1 1 1 constant.

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When the outpost has is divided into sections, the Limits

of the most my ore we wang to that my and reads a with the last to the state of the set is The outpost reserve Phy that part of Sala racidir to a real of a something real of a wir screen to a fire gut the

or not organ was a court to be some conthan of that the and the transfer the

The degree of readiness for action for the outpost reserve is decided b t mmander of the outposts. Unless otherwise ordered the 16h take off their accontrements and

sheater tents are not hed

Outpost companies.- The outpost companies form t : HA I motest to B, the colosis, the patrice to 18 2 rieval uper a ter waterfa de ser res F a tre Jan of the say recept to to our me of "er phores. Outpost companies | 1 o e post to f are true triwse rd . The number and distribution depend on the attit de of the enemy and the nature of the ground, with special reference to the reads.

A company is, as a rule, sand of the ps in any one section of the outpost he. I was y real . I made a whole company for its protection. Each ce i ja ny is known by its number, as, "Detpost Company

12 35 (250 Compa) v of the 361 . Regiment:

Detached posts are employed under the order I com pany commander to Loui important points to (f) r . he be so observe eras ; portions of the impaground . night detacked posts are sent forward along the main ! Is for additional security

A age so r st l. seats tora, s, a poster r the ann parter tile das copers & company by contract of several ergle so is may be mated . I i or also with

The men take off their accontroment.

Piquets, sentries and patrols. Paquets are preforward by the outpost con pany for its protection. 1 at arregit of post of the seems to see the seems of a year River I have a (I said add the intertance of the post and the proximity of the enem-Important piquets are communited by officers. The piquets are numbered from rigra, aft within the company. The men may aku off their he mets and knapsa ke only, and ,fles are piled so that each relief and patrol may take up their own without nature i the remainder Protection is optomed by sentries and patrols. The riner may be double sentries or non-commissioned office 's posts (Unter-(to rposten), but more weight is laid on a. | nacl es being watched by these and re intervening ground being patrolled, than on the line of sentries forming an unbroken

chain. Sentries. Double sentries are posted, as a rule, not further than from 440 to 550 yards from the piquet. Sentries are asally posted and relieves, direct from the piquet. The six men forming the reliefs of a double sentry post are marched to that past by a non-commissioned officer by the shortest route, in | | | | t ti t | and and 3rd reliefs may know their way. The traces of the 1 que do les whether the r 1 see and officer returns to the paraet with these relefs, or whether he remains with his whole command to form a new monor asserted officer's post

The two men of a double sentry post observe together and reman within communicating distance of each other

All sentry posts are numbered from right to left within

the product Unless orders have been given to the contrary a sentry may take off his knapsack and smoke. He may allow all officers, formed bodies of troops, patrols, mounted orderlies and eval ste belonging to his own force to pass, but all other I are excepted to the piquet, and a sentry is authorized to . we may person who disobers his order. At night a sentry ballenges in a loud voice, " Halt ! Wer do !" (Halt . who comes there?) He is authorized to fire if a third challengs is disregarded. Individual officers of the enamy approaching with a small escort and a flag of truce are not tr to de os , tur tan . 1 . 11 [11 Priled

Potents Infantry patrols are used for close reconsaussauca even when touch with the . nemy is maintained by cavalry patiels. If cavalry cannot be used the whole service of natro | . carried out by infantry. Patrols are sent out for the protection of a paquet while the sentries are being posted, and they are used within the sentry line to watch ground where no sentries are posted

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Country outposts to prove the very service of the prove of the very service of the ver

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Outposts in siege warfare / Transmit rate from the state of the state of the BISSUE CALL TO A the country and to of the make, the gate of as r to al tar the cost of select her (25100 to 1460 2 ht 3 4 60°C 1 It is the rest to the large same or QUA. W. a. I. S. less. Desperation, porta, I per ils THE THE WAS A STATE OF SALES of these parties of the chitare I again to a to be seed to proper form and a reason for tost state to see 1 a s flee , or 1th torby me a see as done the see are deeps the world a special flag bati was Ale at oft at, a a a lt of all tarth whom detailed the putports of La larte . In any t the est In 1 12 La Dec 45 to b Preera and scare t I show to a use them a mark to a separate gilly order a research fr . . . on of the line be tree as f 1 of te me a free, he a . Led A we spil alat ett au . Di i la . et it I swell steen to // ' II with the unit Ties tooks a los at 1 to fit ser la via a na la lati via con fir free de of Land with the track of the trans tratal card a france, t F page 1 10 5 f v l 1 1 (c) a) t re sugar the a trusted last the trust of the state of stille . oth t. e. o on he say iteel with a value of partial a sale and a fit appose line

To be to to do not the set of three end of the set of t

general rules said down for output in the attack apply. Any works which have a special permanent garrison detail of to them protect themselves by sentries and patrols independently of the main system of outputs.

BILLETS AND BAULA'S

General.—In the German Army it is necepted that a bad sultet a professible to the best bivone, and that, in the case of monited troops, any kind of shelter is preferable to mose as all. There is, in fact, a tendency to accommodate all mounted troops in hilets, before sheltering the infantty Bivoness are only reserved to when they are rendered mocessary on tendence grounds, owing to the presum by of the

It may be remarked that operation orders for getting teops in billies into position along a road are very detailed in the case of a division, divisional orders at man varres deal with infantry regiments and even batta none in order to avoid any possible confinemen

Billets.

Two classes of billets are recognised, namely (1) Ordinary billets (Ortsustarkunft), (2) Close billets (Ortsusark).

Ordinary billets. In Germany itself, even m tames of peace, all householders are able to have troops quartered on them. It war, ordinary billets are resorted to when there is no prespect of contact with the ententy. The accommodation available in towns and vilages is utilized in such a way as to privide for maximum of comfort for tax troops without andly inconvenencing the inhibitants. The extent of the area to be occupied depends on the number and size of the situation as regards the line of march, the length of the column, the distance which there has a rariched and is going to march next day, and the time available until the troops are again required to contact it is convenient to take the depth of the billeting regions approximately equal to the length of the column.

The existing, or proposed, order of march regulates the distribution of the troops to the various villages, and in order to make follows of the available account addition to may be necessary to intermingle the different arms. The

... Lar- tearest the line of march are occupied the most $s=r_{\rm h} I_{\rm b}$

Transport may be parked with a the cantoniment area, thuns, machine gius, simily iting external and trails sarp, ared outside, on the side most remote from the enemy The venicles of the neavy attilogy may remain on the road of the ground in either side is sail, and are kept outside the bulleting area, closed ap and to one side of the road

When the enemy is in closer proximity, technic anomities tions are of first importance and the troops are packed rome closely, the unknottants suffering accordingly. The villages nearest the enemy are occupied by strong bodies of infantry, an escort is quartered with the articlery, and transare accommanded farthest away from the sum;)

The quarters or headquarters and other staffs are selected with regard to telegraphic, ten phone and read communications. These quarters are distinguished by the authorized than a wings of straw by day, and by lanterns by night the phone stations by an action of the staff of th

The prehimmary measures for quartering are, as a rule, as a rule, as it is considered by the present of the bursting area with clearly defined countains to each body of troops, and certain attreets and houses to each of its units officers being sent on shead to

arrange the allotment of billets

amine officer, unless another is specially detailed, is appointed extraorment commandant (Orte-Kommundens). He is respons de for the allotment of bullets, and for security and order. He appoints an older (a subattern or field officer incording to the strongth of the force), for customment duty, who is responsible for the guarde. Officers for rounds (Ronds Officiare) are letailed as required. Officers of the day are detailed by each battaun, cavalary regiment, Medicine.

f artillery or ann mation octome, and non-commissioned

An ordying piquet s of the immediate protection of anitonized whom the state of the state o

rich as farmage de la constant de la

rendezvous s fixes, in the rendezvous s fixes, in

Special preciations of the plant of the plan

Close b.llets. We trops carn it be a transfer by one in the ventty, or manager by one in the ventty, or

Bivonacs

General.—The rules for Lycanes in force in the Bittels Army apply generally. The testes dishes carried by the troops are used as abeliers. By younce are arranged in mooring the with the laspeation of the troops and to tachead windom. When large bothes of fronts are assembled in on maintain interval between antis as 20 year, and another send the committee of the

Infantry byonass. Infantry byonas a mass of sections or company columns (see Make 1, accept when the statalian column for orders some other acraig aleast. Uniformity within the nation adopted, helbasts and socontements are laid flown either with the rifes, or on the part parade grounds. Horse fines ure and out with

Cavalry byonaces. -Cavary byonace in c. min of squadrons at hard actiones forming in that (see Plate 2). On the section of the property of the section of th

wn with the portion as towards the horses and three paces in rear of them. Carbines are left on the saidles. Saddle blankets folded ready for saddling up are laid down either ander or over the sadales, according to the weather, or the may be used to blanket up the horses. Bridles are on the saddles, hits towards the horses.

Field artillery bivouace. Fr at he y lay had as shown in Plate 3. When the patters has formed up, the the distance and the same indicate Fr this beriese the pries to the interest and to ground, the wheels are soutched, and the picket lines are stret, ed betwee the wires. Winner to thes are wort 1 nto the picket lines at a few paces from their ends to keep the horses clear of the carriages. If necessary a picket past a driven in to support the centre of the picket line. Baddies are laid down with the pommels towards the horses and three pages in rear of them. Girti's, traces, surcingles and al, articles of equipment strat ped on behind the saddle are anid on the sents of the saddles. Over these are laid the saddle-blankets folded ready for saddling up, taless they are required to branket up the horses. Bridles are sid on the I arkets auto his towards the rises, and ther believes. land or and sa allo to the or or I boot against the nome softh and a slaw relagable, be for said The way tern who was ring of the late The are it ports for jer an all will two rows to and

Heavy artillary bivounce. In Rag t as for field and a labeled design as he at a sea place. Rides of better that a part of the sea are lated and the labeled are lated as a labeled as a lab

Bivouring of other troops. More nographed over and on one of conference of head one of the description of head one of the description of the conference of t

CHAPTER XX

SIGNALLING

General.—Visual signaling has not hitherto been treated seriously in the German Army. There is no School of Signal we, and what instruction is given is carried out under

regiments, arrangements when opportunity offers.

There are 3 forms of the algorithm and acetylene lamp

Flag Signalling

Regulations. - The large attend in the gregorian were first use and r 1 40% and a grain again she Millist times a ser took to plan if the identity respective.

Press Reg acres appared a Deces a 19. This of the other fact that there is not be as now being paid

to his action that injurities.

Signaling group. A right and a group class of light No.) and 2 not Nos and 3, or carright city 2 not and 1 course the right of the property.

A single of troop to

The my ore fight posts of telesche (week, the correction of the second o

In the other ry the set a soft to diagpe, an task 3 diags are carried in a tent cover, which a stacked to the set bet. In the cavity these satisfies are carried by the No. I in a leather pecket on the off side of the saddle. In the field artillery they are carried in a tent hag on No. I gun.

The distance at which flag signalling can be carried out on a clear day is laid down as 2 miles without, and about 3 miles with a telescole

Special Signals The Reference 1. I have that the proof of a lateral special special state of the second special specia

The agnal to "Adva At the Adva At the Adva

Proportion trained. In each company of infantry we there must be 1 officer and 2 non-commissioned officers capable of acting as metro

Mer are trained in the following property

All hondanes

Frampeters of field artallers

In the affantry, eavairy, field artiflery and pioneers 8 men per company, including those trained in telephone duties. In the foot artiflery al. these trained in telephone duties. In the common cuttof troops 12 men per company

Relicgraph and Acetylene Lamp.

These are used only by the cavalry. The heliograph is similar to the one in use in the British service, and can, according to the (reprises, be used up to 25 mile.

The map apparatus consists of a strong (* drag tripod an acetylene for up, a cyander of oxygen and one of carlode The corinda syludors last for 4 hours containing work

The cyandler (when an use, is paced us a tru of water, which, regulated by a servey, percolese through on to the carbode and forms the gas. The oxygon is fed through a sanch size at the back of the same, is a pressure of \$\frac{1}{2}\$ atmospher at the back of the same, is a pressure of \$\frac{1}{2}\$ atmospher at the back of the same, and the lamp, and the lamp and the lamp and the same atmosphere of the same at the same at the same at the lamp, and the copraga marror was be attached to the top of it if res, unved, the optica, axes of the lamp, tensecope and helograph being is

The range of the lamp is 12 miles by day and 25 by night.

A rate of signathing of 2 words a minute is aspired to

Field signalling detachments. The are one by the

CHAPTER XVI.

COLONIAL FORCES

General. There is no regular (special to all A syst present, but it is the intention to form one and the modest such though no active steps have as every treen if the matter

It is a mutter of eormon relation to the relative set, at his cannot be sent all out to the set these with the nown consent but no tecter or law has act only been laid down on the state of

Military and police forces in the protectorates. The forces of the protectorates at present maintained in the several protectorates.

- (a.) The protectorate troops (the Schutztruppen) for structure in the African protectorates and relice.
- (The rund at we police the Western Pacific
- () The garrison if the K an chan territory and the East Asian Detachment

(a.) The Protectorate Troops (Die Schutztruppen)

Origin of the protectorate troops. The man of those troops was a force of about 1,400 natives and of retired General of the state of th

East Afr.ca, the money for the same being provided by the German Government. In 1890 this force was taken over from Guttam Wisseam by the Guvernment, and was hanced the Kauserlade Schattzuppe. Sum lat Forces were shortly afterwards formed in German South-West Africa and the Cameroons. In 1898 Regulation of for the origination and administration of the Schwitzruppen in Afr. is were sweet, and these, as amenical from time to time, skil obtain.

According to the first paragraph of these Regulations, the Schutztruppen are for the purpose of assuring the safety of the several protectorates, maintaining public order, and

expressing the slave trade. Administration of the protectorate troops is carried out principly by the military branch of the Cops is carried out principly by the military branch of the Community branch of the Community of the The branch is officially disequented des Emmunité des Schitztruppes (the hadiquarters of the protectorate troops), and is union a colonel, whose personal staff communité of acquitue of the Chennell Staff and our official des parties of the Chennell Staff and our official trades.

In each protectorate the governor is the chief local minitary authority. He can, for military purposes, use the trope of be thinks fit, and they can be employed in civil capacities if initiary considerations permit

In manedate command of the troops meach protectorate is the Rammandows, who is responsible for their training, the mine and interior score.

In cases of difference of opinion between him and the covernor, appear is made to the Colonial Office in Berlin, i. i. if we assar, a the Emporer

Pay, of r subsistence, armaigent and equipment or right to the life with a limit of the Kommunder on whom rests the response of the

The various range of officers and non-comn issued officers and the hierarchy are the same as in the Home Army The strength and organization of the troops a

munally in the Bulgets of the several pretectors. Recruitment and conditions of service. Officers, non-commissioned officers and art form are retruited from volunteers from the Navy and Army. The private sold era of the German South West African force are recruited partially in a simular manager, and partually from men who

elect to do their term of mulitary service in this protectorate. Lasts of volunteers for service in Africa are kept in Berlin (1636) and from these the varancees, reported twee a veer by the loon, commanders are filed. The names of the officers selected are submetted to the Envieror for anuroval

officers must have S years, service topes a character modern example. ation and he specially recommuned Non-commissioned off The A Car to a trade . It is not to the state of the stat frey must also ones a modical examination and he recommended. The particle of service are in

> Transferridge and the Court of the verman hast Africa German South West A ries

T ... perious may be extensed or an importal order issue, in December, lide, a v version go a b dather to military service, residence outsons Europe, man

A B GO A V noy v d d d no v d no v

Regulations of the Garren order and to rem and order to the state of t

Leave of absence. Four mouths leave to Europe on ful pay and with free passage to and fro are given during the first term of service. If the term of service is extended. leave is again due after a period of 14 years in the Cameroonand Togoland, 3 years in German East Africa, and 3 years in German South West Afric

Leave to Europe for field officers is given by the (1) cell r, and for unnor officers by the lacal firmmandour. In cases of sick leave, and in special circumstances, the Coan co. or can exten , the leave up to 6 mont a for any further te and te and the binteror is required. Leave in Africa a la z i tedas fite a

Tyt / ry By Black a second at 44 luys

Men who purpose residing in the protecturate may be granted 6 months' furlough without pay, prior to the date of the expiration of their service

Rates of pay and allowances. The pay of officers is the same in all the African protectorates, and varies between 705% a year for a field officer and 315% a year for a heatenant. The pay of non-commussioned officers and artificers varies it the several protectorates, being highest in the Cameroous and lowest in German Sonta-West Africa

On appointment to the African protect trate the is receive an outfit allowance of 60%. If their survive to extended beyond the first period, a further but essent allowance is received. Non-commissioned officers and men are given a free kit and a sum of 2/ 10s

Non-commissioned officers also receive a monthly a ve ance of 5s., and a sum of 1/ 6s, at the commencement of each year, subsequent to the completion of the first period of SECVICE

In each protectorate al. ranks receive free quarters as far as circumstances permit, and in German South West Africa the non-commissioned officers and man receive free rat.ous.

Special and increased rates of pension are given, time of service in these protectorates counting double

Military expeditions may, by order of the Emperor, be made to count as a complete years' service

Native troops. The native troops are, in the main. recruited locally in each protestorate, but the Chance Jo. may give sunction for recruiting from other countries. In the Cameroons two-thirds of the native force are recruited locally and one-third from the neighbouring colonies of other Powers. In German East Africa Askaris are et l. st. of

Conditions of service are according to the unhatment contract, as fixed by the local military authorities. Sentences of capital pun shment must be confirmed by the governor, except in cases where there are proent reasons for prompt execution for I contribute y Thought to the above, we have a fez as head-dress. (Ses Plate 28.)

Military and Police Forces in German East Africa

Strength of forces. The total trade of ego a crocks and armed police in the protectorate, according to the

Police Force

Europeans (4 officers and 49 non-com-

missioned officers from the regular troops) ... 53

Tota (troops and police) .,025*

In addition to the above, it is reported that at several statums in the interior considerable forces of irregulars are recruited among the natives, and are trained and smued with B.L. rifles. Information is not available as to their

Organization of the military force. The index force is organized as follows

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weerbas og depåt .	***	- 11	150	
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1.0			9 = 14	

Distribution of the military force, -The present dis

* In a distant to me lary carriers, with any labourary, and ex-solding a second of the property second miles of second or foot on the contract of the property of the contract of the contract

+ Those were the strengths in April, 1909.

Compary	Read parters.	Delachment,	Guns and manair a-guns
for all the formation of the formation o	Avus a I ga K i om, n	Iras t en. Man a . Baingica Brancos a Kabbus	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
7th St. b th 1th 12th 13t Tata Handquarters of the Force, aborated Dept.	Total	Ussivi Refer	Am a series of the series of t

Each company consists of-

3 or 4 European officers

1 meter officer
4 E m man ton communicated officers

162 nat ve soldiers.

A setal ment from a St portons is to be accord, each company

Armament. We see Men and a rot clorus or one open on pote, early the lengthened '98 earbins and short '98 rad-arms. (1888)

There are now interstood is the set of the s

Uniform and Equipment. Europeans wear a tunic and frouce & ski pl. see table 28 with voltow and out and leggl group. I have also a white tunions uniform. The

farmy in the State of State of

for the state of the East Africa troops being due liet bed at a do a do a super are supplied by the Government with the

T n. Badhaese wer a thicked a millor a smear or w with automa of white rath. They have boots, the pu

w with automa of white rantal. They have bonts, the pulse of a real transpost with a king cover with the number of the contract of the contrac

govered all infinitive water hold on the Friends of p. blanket, and water forms to be unpractices, and is being gradually drug away with

Total force available A orgit o Freedea possis on till a see to a traffic for stear, ten spall of forcing arms, say about 3,500, and a rife association and a see to be a freeder of the control of the see to be a freedea for the control of the see to be a freedea for the control of the see to be a freedea for the see the see

8.000 men.

Military and Police Forces in German South-West

Alutary Force.

Strength and organization. The design of equation of the cloth of the thropen according to the Exercise for 1914, as follows: 90 officers (in admy I communding fflore, 4 field officers, 13 captains, 70 housemant, and 3 officers (in the second of the seco

This force is presented as follows

Λ	Filhed
Staff	. 4
(or pate + 4	F 4
S companies Wish macutoc-gan acost 4	424
8 mountain buttories each with 4 guns	360
1 cm - tao castburgo	18
4 выррау дорося	15
2 hosp tal	3.0
1 medion, aspôt	b.
- artillery train depots	-4
T LA TAB	Hy
to be also to all to	K
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Uniform and equipm	ant. (b)	g H	all to	et is
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The special was not some the many of the special states of the special states of the special s

In the Protectorate. Tunion or makets (Lucuku) of khauf cordures

are worn by both afficers and men, riso cordatory pautaleous and trotters. The time of store of breasted less white the hartons at a first the time of time of time of the time of time of

Ebaki drill, very similar in pattern to tos I s w v

The government was able to expension a con-

Armamont. Freeze ca "av" a ra "

10 s. a. a. I se a. a. v

pattern Manan and sword bayonet, a v

and earlibre are carried in a sucket on the front part of the sold! on
the off sid.

Field guts of 8-03-inc (77 nm.) on the At C Mountain guns of 2-95 and (75 nm. calling t uns of various can bre

Of raffs culibro machine-guns there are from 49-6.

Distribution. The distribution of the troops is gd . 28 maker in the Est makes for 1919

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Headquarters of Southern Dis rice 2nd Section of the Communication

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h Company (Railway Construction

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The strength for which may be commaded in the F + a a + 1 + is -a office a, B paymasters, 6 officials 1 a a + 8 - a majors 502 peace sery white and 30 pe is a, total, 15 - Exercise as 30 unity oph - a -

Total force available. The hamber I reservists estimated by the main and a dat Gorman populate.

The one on the street of the pro-

Total force available (round aumbers). 6,600

Military and Police Forces in Togoland

A verifing to the annual Estimats, an armed pole of fora nannuand in Togoland, consisting of 1 commandant, 1 line tenant and 6 police supermised estimated (not. limp 3 andeoofficers, 1 medical under-officer and 1 artificier) all Europeans, together with some 680 maters policemen, of whom 144 are side one of in Lone.

It is reported that there are in addition to the police force, about 600 naive troops. Formed for purposes of administration into one buttalism, with headquarters at Lome, and with detachments at the various out stations. In 1908 a commany 100 attention was reported to be at Sognoff

There is no arbitery in the protectorate, nor are trere any machine guns as far as can be ascert a roll

In the bansa ie Mangu district a small proportion of the troops are said to be mount.

* According to recent reports 1914 from a love a concer of the second of

Military and Police Forces in the Cameroons

Strength. -The strengt ter to y force a e-ro g

	Ear an officers	Volty-
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T a	M _L	, 050°

Distribution, A surding to the Instance Kan and Kilender for 1814, the troops are a secretal as near

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It tooks torgethen there is groups, a. die to describe the first set in the companies, to be cased to be to the first set in the first set in

walls and stockades which have been built round most of

Uniform equipment and armament.—The uniform and

equipment are the same as for the German East African troops, with claret-coloured facings instead of white. (Sst page 364)

page with a street of the talk to pottern Marker with.

Pr ce Fure

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Sangt borner to the morth, and an Kill, Visit till Borner work, and, to though with the more spirit the more spirit the

Total force available i e total force available for

The Native Police in the Western Pacific Division.

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^{*} Centra, and ports easters, mg

(*) The Garrison of Kiao-shau and the East Asian Detachment,

Strength and organization. First from any included under one head in the E- areas (c last Assured between them statement and other places in North China : protect German interests.

The strength of the naval and marine forces f : w ...) pay is estimated for 1914 is as follow-

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Police.—There is also an armed police force in Kino-chairmed with rifles and revolvers, and consisting of the Europeans and about 100 Chinese. The total force available is, therefore, and t 2,700 men

Reservists, -There are about 400 reservists, who can be called out if required.

APPENDICES

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APPENDIX 11.

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APPENDIX II.

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Grades of Combatant Officers. The grades of combatant efficers, with the corresponding grades in

the British service, are as follows .-(a.) Generalstät (e.) General officer-General-Felimarschall .. . 1 Frad marshal General der Infanterse, ut der] General (of infancry, onveloy

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(only appointed in wa m Feldosbal-Lautnaut the Depôt or Garrison.

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Grades of Medical Officers

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Grades of Officials

(a.) Military

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APPENDIX IV.

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APPENDIX VI.

GLOSSARY OF MILITARY TERMS AND ABBREVIATIONS. Ranks and Appointments.

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APPENDIX XII.

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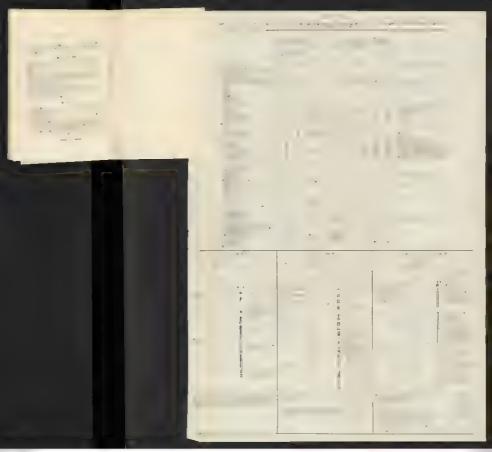
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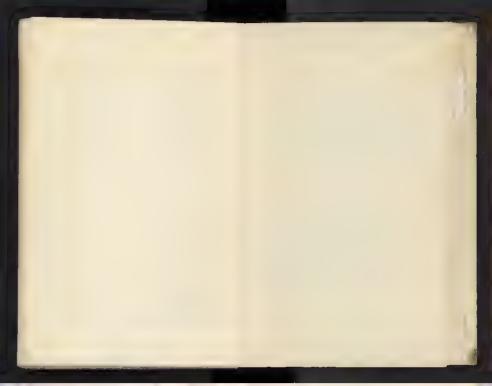
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GENERAL OFFICERS

EXPLANATORY FIGURE

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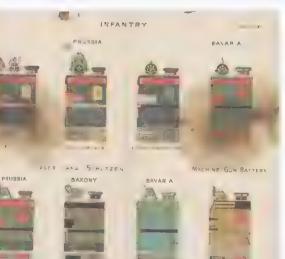




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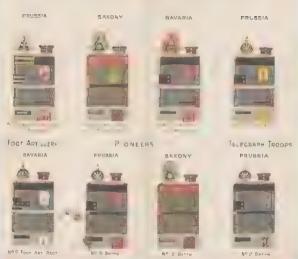
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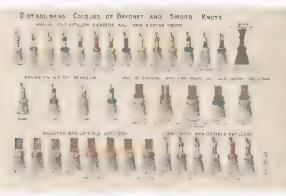


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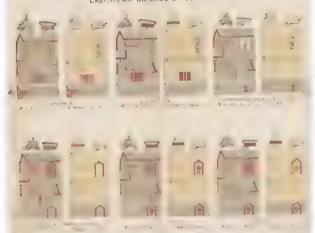


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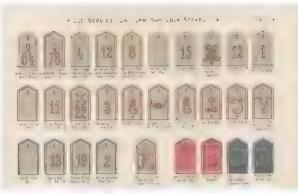


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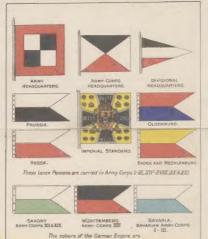












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